CES

COAST ELECTRONICS SUPPLY

PRODUCT CATALOG **8**

TABLE OF CONTENTS

THERMOCOOL

CE cULus CCC TÜV RoHS

Thermocool Axial Fans provide enhanced cooling for a variety of electronic devices. Leading air flow technology is designed into every Thermocool product resulting in reduced turbulence, low noise levels and a more energy efficient product. Thermocool fans are ideal for use in computer systems, portable CD and DVD players, stereo components, overhead projectors, laptop computers, and many other electronic applications where circulation is a key concern.
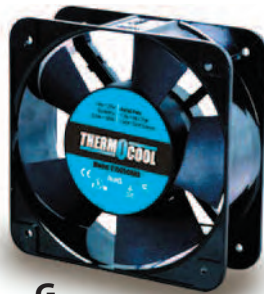
	PART NUMBER	BEARING SYSTEM	VOLTAGE LEAD TYPE	FREQ. (HZ)	AMPS	WATTS	SPEED	NOISE (DB)	AIR FLOW (CFM)	SIZE (MM)	SIZE (INCH)
A	G8025HAS	Sleeve	100/125*	50/60	0.13	13	2300/2700	27/30	19/23	80X80X25	3.15X3.15X.98
B	G8038HAS	Sleeve	100/125*	50/60	0.14	14	2400/2900	28/33	23/28	80X80X38	3.15X3.15X1.5
C	G9225HAS	Sleeve	100/125†	50/60	0.14	13	2300/2800	34/40	28/34	92X92X25	3.62X3.62X.98
D	G12025HAS	Sleeve	100/125†	50/60	0.2	18	2300/2700	39/42	57/66	120X120X25	4.72X4.72X.98
E	G12038HAS	Sleeve	100/125†	50/60	0.28	21	2600/3000	43/48	82/95	120X120X38	4.72X4.72X1.5
	G12038MAB	Ball	100/125†	50/60	0.22	19	2200/2600	39/44	72/85	120X120X38	4.72X4.72X1.5
	G12038MAS	Sleeve	100/125†	50/60	0.22	19	2200/2600	39/44	72/85	120X120X38	4.72X4.72X1.5
F	G13538HAS	Sleeve	100/125*	50/60	0.34	25	2400/2800	46/53	97/122	135X135X38	5.31X5.31X1.5
G	G15050HAS	Sleeve	100/125*	50/60	0.4	38	2600/2900	54/59	176/198	150X150X50	5.9X5.9X2
H	G17050HASB	Ball	100/125†	50/60	0.4	38	2600/2900	54/59	176/198	172X172X51	6.77X6.77X2
I	G17050HAST	Sleeve	100/125†	50/60	0.4	38	2600/2900	54/59	176/198	172X150X51	6.77X5.9X2

Next time you need solder, make the connection with Thermoflow!

Thermoflow Solder is manufactured under ISO9001:2000 assessment standards and is available in a wide variety of alloy compositions to meet most electronic/electrical manufacturing requirements. Thermoflow Solder is packaged to meet your customers demands and is available in tubes, one half and one pound spools and in bar format for wave soldering or dip soldering machinery.

QQ-200

QQ-200 is a no-clean flux for cored solder wire and is suitable for hand soldering both electronic components and electrical terminals. QQ-200 performance characteristics include excellent solder adhesion to a variety of surfaces, low smoke and odor and low splash during soldering which is common to most core fluxes. After soldering, QQ-200 no clean flux leaves a minimum residue which is transparent in color and eliminates the expense of cleaning. QQ-200 is compatible with leaded and lead-free solder, meets MIL-P28809 and QQ-S-571E and meets RoHS directives. Documentation available upon request

LEAD-FREE SOLDER

Part No.	Description	Wt/lb
TF127121	Sn99.3/Cu0.7, 1.0mm, QQ-200	1/2 lb/roll

MC-20A

MC-20A is a no clean rosin based flux that is suitable for Lead Free and Tin-Lead solder. During high temperature soldering, MC-20A will not lose its characteristic properties including strong wetting and low splash. MC-20A flux is suitable for temperature ranges of 572 - 752 degrees Fahrenheit and meets RoHS directives when combined with a lead free alloy. Documentation available upon request.

ROSIN CORE SOLDER

Part No.	Description	Wt/lb
TF604011	Sn60/Pb40-1.0mm,MC-20A,	1lb/roll
TF6040121	Sn60/Pb40-1.0mm,MC-20A,	1/2lb/roll
TF604016	Sn60/Pb40-0.6mm,MC-20A,	1lb/roll
TF6040126	Sn60/Pb40-0.6mm,MC-20A,	1/2lb/roll
TF633711	Sn63/Pb37-1.0mm,MC-20A,	1lb/roll
TF6337121	Sn63/Pb37-1.0mm,MC-20A,	1/2lb/roll
TF633716	Sn63/Pb37-0.6mm,MC-20A,	1lb/roll
TF6337126	Sn63/Pb37-0.6mm,MC-20A,	1/2lb/roll
TF6040141	Sn60/Pb40-1.0mm,MC-20A,	14g/blister

PACKAGED ROSIN CORE SOLDER-TUBE

GREEN FLUX PASTE

Green-Type flux paste is a general purpose oil and water soluble solder paste that can be used on steel, iron, plated zinc and plated nickel. Green-Type flux meets RoHS directives. Documentation available upon request.

Part No.	Description	Wt/lb
TF127121SP	Green Type Flux Paste -- Water Soluble	50g/1.75 oz.

FLUX PASTE

117 VAC primary voltage, secondary voltages 12, 24, and 48 volt with center tap.
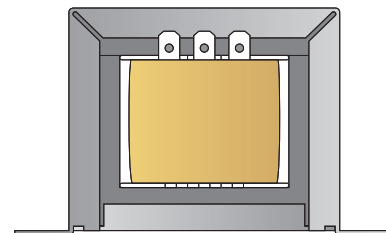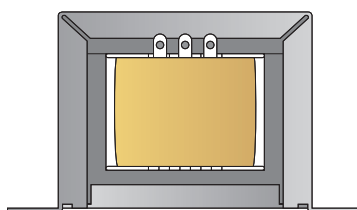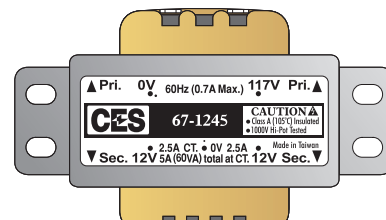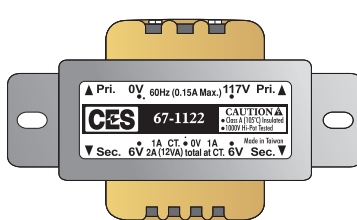
Primary Input Voltage 117vac
Output Voltage 12VCT and 24VCT
Solder Lug/Push-on Terminals
Class A Rated @ 105ºC Insulated
1,000 Volt Hi-Pot Tested

SPECIFICATIONS

Part Number	Rated Output Voltage*	Rating A	Rating B	Frame Size	Mounting Hole Center to Center	Overall Thickness/Width (Inches) (Excluding Mounting Tabs)	Height
67-1120	12VAC	250ma	500ma	EI-41x14.5	2.07"	1.29 x 1.69	1.41"
67-1121	12VAC	.5 amp	1 amp	EI-41x16.5	2.07"	1.37 x 1.69	1.41"
67-1122	12VAC	1 amp	2 amp	EI-48x20B	2.36"	1.57 x 1.96	1.67"
67-1123	12VAC	1.5 amp	3 amp	EI-57x19A	2.79"	1.73 x 2.32	2.0"
67-1124	12VAC	2 amp	4 amp	EI-57x25B	2.79"	1.95 x 2.32	2.0"
67-1125	12VAC	2.5 amp	5 amp	EI-66x25B	3.14"	2.12 x 2.67	2.28"
67-1240	24VAC	250ma	500ma	EI-41x16.5	2.07"	1.37 x 1.69	1.41"
67-1241	24VAC	.5 amp	1 amp	EI-48x20B	2.36"	1.57 x 1.96	1.67"
67-1242	24VAC	1 amp	2 amp	EI-57x25B	2.79"	1.95 x 2.32	2.0"
67-1243	24VAC	1.5 amp	3 amp	EI-66x30	3.14"	2.29 x 2.67	2.28"
67-1244	24VAC	2 amp	4 amp	EI-76x30	3.62"	2.42 x 3.1	2.65"
67-1245	24VAC	2.5 amp	5 amp	EI-76x35A	3.62" x 2 rows in 0.72" pitch	2.64 x 3.1	2.65"

SOLDERABLE PERF BOARDS

Copper clad mounting holes with 0.1" matrix. Fits most standard components. Mating project enclosures available.
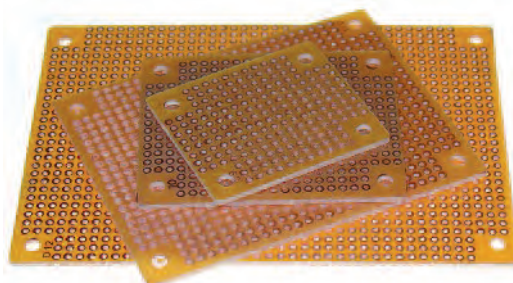
PART #	DIMENSIONS
64-8931	1-1/2" x 1-3/4"
64-8932	1-7/8" x 2-1/4"
64-8933	2-1/2" x 3-1/8"
64-8934	3" x 4-1/4"

ENCLOSURE PRODUCTS

ALUMINUM TOP UTILITY CASES

• THE BEST VALUE UTILITY BOX IN A VARIETY OF SIZES
• HIGH IMPACT ABS
• ALUMINUM TOP

ITEM NO.	LENGTH	WIDTH	HEIGHT
64-8921	2.687	1.687	1.187
64-8922	3.937	2.125	1.375
64-8923	4.125	2.75	1.562
64-8924	5.25	3.25	1.562

* BROKEN CARTON QUANTITIES AVAILABLE UPON REQUEST

ALL PLASTIC UTILITY CASES WITH MOUNTING TABS

• THE BEST VALUE UTILITY BOX IN A VARIETY OF SIZES
• HIGH IMPACT ABS, UL 94HB FLAMMABILITY RATING
• ALL PLASTIC WITH MOUNTING TABS
• CARD GUIDES ACCEPT 1.6MM THICK CARD

ITEM NO.	LENGTH	WIDTH	HEIGHT
64-1020BF	3.23	2.11	1.18
64-1022BF	6.14	2.64	1.57
64-1024BF	7.31	3.75	2.08
64-1025BF	8.85	4.44	2.48

* BROKEN CARTON QUANTITIES AVAILABLE UPON REQUEST

UTILITY CASES

• FLAME RETARDANT ABS UL94-V0
• DESIGNED FOR ELECTRONIC PRODUCT USE

ITEM NO.	LENGTH	WIDTH	HEIGHT
64-G1906	2.74	1.99	.83
64-G1908	3.49	2.48	1.08
64-G1910	4.53	3.27	1.26

* BROKEN CARTON QUANTITIES AVAILABLE UPON REQUEST

ALL PLASTIC UTILITY CASES

• THE BEST VALUE UTILITY BOX IN A VARIETY OF SIZES
• HIGH IMPACT ABS, UL 94HB FLAMMABILITY RATING
• CARD GUIDES ACCEPT 1.6MM THICK CARD

ITEM NO.	LENGTH	WIDTH	HEIGHT
64-1031B	2.51	1.73	1.25
64-1032B	3.97	2.12	1.72
64-1033B	5.07	2.51	1.73
64-1034B	5.94	3.54	2.09
64-1037B	7.44	4.44	2.62
64-1039B	8.54	5.43	3.23

* BROKEN CARTON QUANTITIES AVAILABLE UPON REQUEST

DESKTOP PLASTIC CASES

• DESKTOP ABS INSTRUMENT CASES WITH MOLDED PCB STAND-OFFS, VERTICAL CARD GUIDES AND BRASS INSERTS FOR REPETITIVE ASSEMBLY OR DISASSEMBLY
• (4) M3 SCREWS AND RUBBER FEET ARE PROVIDED
• LIGHT GRAY TOP AND BASE WITH BLACK PANELS

ITEM NO.	LENGTH	WIDTH	HEIGHT
64-G738	5.51	4.33	1.377
64-G747	8.85	6.5	1.57
64-G748	8.85	6.5	2.56
64-G749	8.85	6.5	3.54

* BROKEN CARTON QUANTITIES AVAILABLE UPON REQUEST

SLOPED HAND-HELD ENCLOSURE

• MOLDED IN HIGH IMPACT ABS PLASTIC
• IDEAL FOR KEYBOARD, CONTROLLERS, TEST INSTRUMENT, COMPUTER ACCESSORIES, REMOTE ACTUATORS AND CONTROLS

ITEM NO.	LENGTH	WIDTH	HEIGHT
64-G1168B	5.9	3.74	1.22/1.95
64-G1189B	7.45	4.15	1.30/2.32

* BROKEN CARTON QUANTITIES AVAILABLE UPON REQUEST

SNAP-IN PLASTIC CASE WITH HINGED COVER

• HIGH IMPACT UL94-HB ABS
• BLACK COLOR
• SNAP-IN DESIGN CAN BE OPENED AND CLOSED EASILY WITHOUT A TOOL
• RUBBER INSERT FOR OUTLET CABLE
• IDEAL FOR INDOOR/OUTDOOR APPLICATIONS

ITEM NO.	LENGTH	WIDTH	HEIGHT
64-GH001B	3.58	3.11	1.17

* BROKEN CARTON QUANTITIES AVAILABLE UPON REQUEST

FLANGED ALUMINUM CASES

• DIE CAST ALUMINUM ALLOY ADC-12 TO JAPAN (JIS)
• NATURAL DIE CAST ALUMINUM FINISH
• ON THE BODY ARE PRE-DRILLED TAPPED HOLES AND STAINLESS STEEL SCREWS ARE PROVIDED TO HOLD THE BODY AND LID FIRMLY IN PLACE
• IP 66 RATING WITH ADHESIVE GASKET

ITEM NO.	LENGTH	WIDTH	HEIGHT
64-BS11MF	8.74	5.75	2.16
64-BS13MF	4.49	2.52	1.18
64-BS15MF	4.49	2.52	2.16
64-BS25MF	4.49	3.45	2.16
64-BS39MF	6.73	4.76	4.17

* BROKEN CARTON QUANTITIES AVAILABLE UPON REQUEST
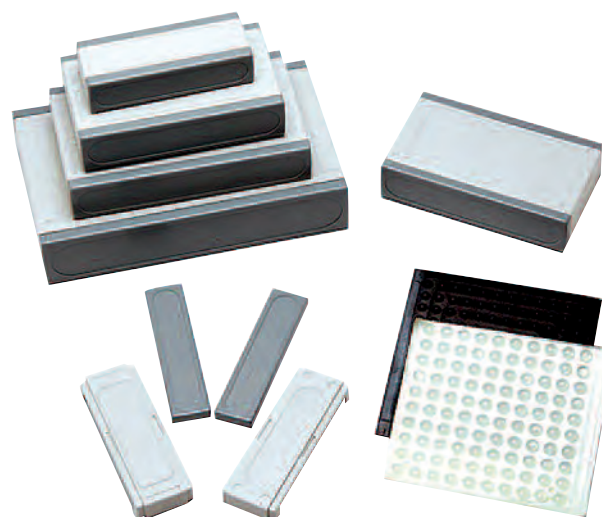
SNAP-IN PLASTIC CASES

• HIGH IMPACT UL- 94-HB ABS
• LID & BASE ARE MOLDED IN LIGHT GREY COLOR , FRONT & END PANELS ARE MOLDED IN DARK GREY COLOR
• SNAP-IN TYPE DESIGN TO SAVE TIME IN PRODUCT ASSEMBLY

ITEM NO.	LENGTH	WIDTH	HEIGHT
64-G1812	4.13	1.6	.992
64-G1814	5.12	2.92	1.18
64-G1816	6.1	3.62	1.16
64-G1818	7.875	4.76	1.57

* BROKEN CARTON QUANTITIES AVAILABLE UPON REQUEST

HEAT-SHRINKABLE TUBING

Thermosleeve HST Series is halogen-free, flame-retardant, poly-olefin heat shrinkable tubing.
The typical properties are flame-retardant, good resistant to common fluids and solvents and high dielectric strength. So it is suitable for a wide range of applications, including electrical insulation, strain relief, cable bonding, color coding and identification of wires, cables, pipes, and electrical and electronic components. Our products are certified under the following standards:

THERMOSLEEVE | USA
HEAT SHRINK TUBING

RoHS UL c UL

ITEM	SPECIFICATIONS
Shrink Temperature (°C)	90~120
Operating Temperature Range (°C)	-55~125
Radial Shrink Ratio (%)	≥2:1
Longitudinal Change (%)	≤ ± 5
Tensile Strength (MPa)	≥10.4
Ultimate Elongation Ratio (%)	≥200
Aging in Circulation-Air Oven	158.0 ± 1.0°C, 168 hrs.
After Aging	Tensile Strength (MPa)	≥7.28
	Ultimate Elongation Ratio (%)	≥100
Volume Resistivity (Ω.cm)	10^{14}
Dielectric Strength (kV/mm)	≥15
Flammability	VW-1
Concentricity (%)	≥65

100 FT. HEAT SHRINK TUBING - ROLLS

Add the suffix for the color when ordering: black=BK, red=R, blue+BL, yellow=Y, clear=C, green=G, white=W and violet=V.

PART #	SIZE (inch)	SIZE(mm)	STD CTN
HST01(X)100	1"	Ø25	100 ft./roll
HST34(X)100	3/4"	Ø20	100 ft./roll
HST12(X)100	1/2"	Ø13	100 ft./roll
HST38(X)100	3/8"	Ø9.0	100 ft./roll
HST14(X)100	1/4"	Ø6.5	100 ft./roll
HST316(X)100	3/16"	Ø4.5	100 ft./roll
HST18(X)100	1/8"	Ø3.0	100 ft./roll
HST332(X)100	3/32"	Ø2.0	100 ft./roll
HST116(X)100	1/16"	Ø1.5	100 ft./roll
HST364(X)100	3/64"	Ø1.0	100 ft./roll

Sizes available to 5" call for pricing

4 FT. HEAT SHRINK TUBING - STICKS

Add the suffix for the color when ordering: black=BK, red=R, blue=BL, yellow=Y, clear=C, green=G, white=W and violet=V.

PART #	SIZE (inch)	SIZE(mm)	STD CTN
HST01(X)4	1"	Ø25	4 ft./25 sticks
HST34(X)4	3/4"	Ø20	4 ft./25 sticks
HST12(X)4	1/2"	Ø13	4 ft./25 sticks
HST38(X)4	3/8"	Ø9.0	4 ft./25 sticks
HST14(X)4	1/4"	Ø6.5	4 ft./25 sticks
HST316(X)4	3/16"	Ø4.5	4 ft./25 sticks
HST18(X)4	1/8"	Ø3.0	4 ft./25 sticks
HST332(X)4	3/32"	Ø2.0	4 ft./25 sticks
HST116(X)4	1/16"	Ø1.5	4 ft./25 sticks
HST364(X)4	3/64"	Ø1.0	4 ft./25 sticks

DUAL-WALL HEAT-SHRINKABLE TUBING

Manufactured by co-extrusion of irradiated cross-linking polyolefin and specifically designed hot melt adhesive. This tubing may be used in a wide variety of electrical applications, including back end connector sealing, breakouts, and connector to cable transitions. High expansion ratio makes it possible to repair most damaged cable jackets without removing connectors.

ITEM	SPECIFICATIONS
Shrink Temperature (°C)	110
Operating Temperature Range (°C)	-55~125
Radial Shrink Ratio (%)	≥3:1
Longitudinal Change (%)	≥10
Tensile Strength (MPa)	≥10.4
Ultimate Elongation Ratio (%)	≥200
Aging in Circulation-Air Oven	158.0 ± 1.0°C, 168 hrs.
After Aging	Tensile Strength (MPa)	≥7.3
	Ultimate Elongation Ratio (%)	≥7.3
Volume Resistivity (Ω.cm)	10^{13}
Dielectric Strength (kV/mm)	≥15
Flammability	VW-1
Water Absorption (%)	Less than 0.4%
Fluid Resistance	Excellent
Copper Corrosion	No corrosion
Softening Point (°C)	120+5
Tissue Strength (N/25mm)	≥80

4 FT. HEAT SHRINK TUBING - STICKS Available in Red and Black

PART #	SIZE (inch)	SIZE(mm)	STD CTN
DWHST01R4	1"	Ø25	4 ft./25 sticks
DWHST01BK4	1"	Ø25	4 ft./25 sticks
DWHST34R4	3/4"	Ø20	4 ft./25 sticks
DWHST34BK4	3/4"	Ø20	4 ft./25 sticks
DWHST12R4	1/2"	Ø13	4 ft./25 sticks
DWHST12BK4	1/2"	Ø13	4 ft./25 sticks
DWHST38R4	3/8"	Ø9.0	4 ft./25 sticks
DWHST38BK4	3/8"	Ø9.0	4 ft./25 sticks
DWHST14R4	1/4"	Ø6.5	4 ft./25 sticks
DWHST14BK4	1/4"	Ø6.5	4 ft./25 sticks
DWHST316R4	3/16"	Ø4.5	4 ft./25 sticks
DWHST316BK4	3/16"	Ø4.5	4 ft./25 sticks
DWHST18R4	1/8"	Ø3.0	4 ft./25 sticks
DWHST18BK4	1/8"	Ø3.0	4 ft./25 sticks

Sizes available to 2" call for pricing

HSTBOX158B & R

2.5" BOXED HEAT SHRINK
2:1 ratio; polyolefin
Quantity/sizes: (60) 1/16", (40)1/8",
(20)3/16", (18)1/4", (10)3/8", (10)1/2"

PART #	COLOR	QTY/BOX
HSTBOX158B	BLACK	158
HSTBOX158R	RED	158

HSTBOX160
HSTBOX 160B

4" BOXED HEAT SHRINK
2:1 ratio; polyolefin; Quantity/sizes:
(60)1/16", (35)3/32", (25)1/18", (20)3/16",
(10)1/4", (10)3/8". Colors: Black, Blue,
Clear, Green, Red, White, Yellow

PART #	COLOR	QTY/BOX
HSTBOX160	VARIOUS†	158
HSTBOX160B	BLACK	158

4" BOXED DUAL-WALL HEAT SHRINK
3:1 ratio; polyolefin; adhesive lined
Comes in the following qty/sizes:
(20)1/8", (20)2/16", (10)1/4", (5)3/8",
(5)1/2", (2)3/4"

PART #	COLOR	QTY/BOX
DHSTBOX62B	BLACK	62

HSTBAG1018

6" BAGGED HEAT SHRINK - COLOR
Comes in the following qty/colors:
(2) Black, (1) Blue,
(2) Clear, (1)
Green, (2) Red,
(1) White, (1) Yellow

PART #	SIZE	QTY/BAG
HSTBAG1018	1/8"	10
HSTBAG10316	3/16"	10
HSTBAG1014	1/4"	10
HSTBAG1038	3/8"	10

HSTBAG24

6" BAGGED HEAT SHRINK - BLACK
HSTBAG24 has 4 pieces per size: 3/32,
1/8, 3/16, 1/4, 3/8, 1/2.
All others are 10 pieces of each size.

PART #	QTY/BAG
HSTBAG24	24
HSTBAG2018	10
HSTBAG20316	10
HSTBAG2014	10
HSTBAG2038	10

MICROPHONE CABLES, ADAPTORS & HOLDERS

MICROPHONE CABLES
Low noise shielded cable

12-0220   **12-0460**   **12-0220**

PART #	DESCRIPTION
12-0220	1/4" Phone Plug to 1/4" Phone Jack. 20 ft
12-0420	1/4" Phone Plug to 3-Pin Female. 20 ft
12-0460	1/4" Phone Plug to 3-Pin Female. 60 ft
12-0620	3-Pin Male to 3-Pin Female. 20 ft
12-0660	3-Pin Male to 3-Pin Female. 60 ft
12-0820	3-Pin Male to 3-Pin Male. 20 ft
12-0920	3-Pin Female to 3-Pin Female. 20 ft

"CANON" STYLE CONNECTORS

12-1014   **12-1033**

PART #	TYPE
12-1013	3 Pin Male
12-1014	4 Pin Male
12-1015	5 Pin Male
12-1027	7 Pin Male
12-1033	3 Pin Female
12-1034	4 Pin Female
12-1035	5 Pin Female
12-1037	7 Pin Female

RIGHT ANGLE CONNECTORS

12-1053   **12-1073**

PART #	TYPE
12-1053	3 Pin Male
12-1054	4 Pin Male
12-1073	3 Pin Female
12-1074	4 Pin Female

MALE/FEMALE CONNECTORS

12-1093   **12-1113**

PART #	TYPE
12-1093	3 Pin Male
12-1113	3 Pin Female

PANEL MOUNTS

12-1173   **12-1193**

PART #	TYPE
12-1173	3 Pin Male
12-1174	4 Pin Male
12-1175	5 Pin Male
12-1193	3 Pin Female
12-1194	4 Pin Female
12-1195	5 Pin Female

MICROPHONE HOLDER
Universal type, opens to various widths to fit all sizes

12-1450

MICROPHONE ADAPTORS/TRANSFORMERS

3 PIN CONNECTORS

12-1253   **12-1273**   **12-1263**

PART #	DESCRIPTION
12-1253	3-Pin, Male to Male, Prewired: 1/1, 2/2, 3/3
12-1263	3-Pin, Male to Female, Prewired: 1/1, 2/2, 3/3
12-1273	3-Pin, Female to Female, Prewired: 1/1, 2/2, 3/3
12-1293	Standard Phone Plug to 3-Pin Male
12-1313	Standard Phone Plug to 3-Pin Female

3 PIN CONNECTORS

12-1353   **12-1393**   **12-1333**   **12-1273**   **12-1430**

PART #	DESCRIPTION
12-1333	Standard Phone Jack to 3-Pin Male
12-1353	Standard Phone Jack to 3-Pin Female
12-1373	RCA Phone Jack to 3-Pin Male
12-1393	RCA Phone Jack to 3-Pin Female
12-1430	Low Imped. side: 3-Pin Female/Hi Imped. side: 1/4" Phone Plug

CB MICROPHONE HOLDERS

CB MICROPHONE HOLDER - SCREW MOUNT
Comes with 2 metal screws

32-8005

CB MICROPHONE HOLDER - MAGNET MOUNT
Metal clip with mount

32-8010

CB MICROPHONES & PANEL MOUNT CONNECTORS

CB MICROPHONE PLUG – CHROME

.

PART #	SIZE
31-1003	3 pin
31-1004	4 pin
31-1005	5 pin
31-1006	6 pin
31-1008	8 pin

31-1004

CB MICROPHONE PLUG – DIE-CAST

PART #	SIZE
31-1404	4 pin

31-1404

PANEL MOUNT MALE CONNECTOR

PART #	SIZE
31-1203	3 pin
31-1204	4 pin
31-1205	5 pin
31-1206	6 pin
31-1208	8 pin

31-1204

CB MICROPHONE PLUG – RIGHT ANGLE

.

PART #	SIZE
31-1604	4 pin
31-1605	5 pin

31-1604

RCA PLUGS & JACKS

12-2101   12-2103   12-2105

12-2107   12-2111

12-2113   12-2117

12-2119   12-2121

PART #	DESCRIPTION
12-2101	RCA Phone Plug/Metallic Shielded Handle
12-2103	RCA Phone Jack/Metallic Shielded Handle
12-2105BLK	RCA Phone Plug/Plastic Shell - Black
12-2105RED	RCA Phone Plug/Plastic Shell - Red
12-2107BLK	RCA Phone Jack/Plastic Shell - Black
12-2107RED	RCA Phone Jack/Plastic Shell - Red
12-2111BLK	Gold-plated RCA Phone Plug with Strain Relief - Black
12-2111RED	Gold-plated RCA Phone Plug with Strain Relief - Red

PART #	DESCRIPTION
12-2113BLK	Gold-plated RCA Phone Jack with Strain Relief - Black
12-2113RED	Gold-plated RCA Phone Jack with Strain Relief - Red
12-2117BLK	RCA Phone Plugs/Plastic Shell - Black
12-2117RED	RCA Phone Plugs/Plastic Shell - Red
12-2119BLK	RCA Phone Jack/Plastic Shell with Strain Relief - Black
12-2119RED	RCA Phone Jack/Plastic Shell with Strain Relief - Red
12-2121	RCA Phone Jack/Chassis Mount

RCA ADAPTORS

12-2501   12-2505   12-2509

12-2525   12-2527

PART #	DESCRIPTION
12-2501	RCA Phone Plug to RCA Phone Plug (Plastic)
12-2505	RCA Phone Jack to RCA Phone Jack (Plastic)
12-2509	Dual RCA Type Coupler (Plastic)

PART #	DESCRIPTION
12-2525	RCA Phone Jack to RCA Phone Jack (Metal)
12-2527	RCA Phone Jack to RCA Phone Jack (Gold Plated)

STANDARD 1/4" PHONE PLUGS

12-3500BLK

12-3500RED

12-3501

12-3503

12-3504

12-3505

12-3506BLK

12-3506RED

12-3507

12-3509

12-3511

12-3513

12-3515

12-3520

STANDARD 1/4" MONO/STEREO PHONE PLUGS

PART NO.v	DESCRIPTION
12-3500BLK	Gold-plated Mono-2 Conductor with Strain Relief - Black
12-3500RED	Gold-plated Mono-2 Conductor with Strain Relief - Red
12-3501	Mono-2 Conductor (metal) with Strain Relief
12-3503	Mono-2 Conductor (metal) w/o Strain Relief
12-3504	Mono-2 Conductor (metal) with large hole
12-3505	Stereo-3 Conductor (metal) with Strain Relief
12-3506BLK	Gold-plated Stereo-2 Conductor with Strain Relief - Black
12-3506RED	Gold-plated Stereo-2 Conductor with Strain Relief - Red
12-3507	Stereo-3 Conductor (metal) w/o Strain Relief
12-3509	Mono-2 Conductor (plastic) with Strain Relief
12-3511	Mono-2 Conductor (plastic) w/o Strain Relief
12-3513	Stereo-3 Conductor (plastic) with Strain Relief
12-3515	Stereo-3 Conductor (plastic) w/o Strain Relief
12-3520	Mono 1/4" Right Angle

AUDIO PLUGS/JACKS/ADAPTORS

12-3525

12-3527, 3531

12-3529

12-3533, 3537

12-3535, 3539

STANDARD 1/4" MONO/STEREO PHONE JACKS

PART NO.	DESCRIPTION
12-3525	Mono-2 Conductor (metal) with Strain Relief
12-3527	Mono-2 Conductor (metal) w/o Strain Relief
12-3529	Stereo-3 Conductor (metal) with Strain Relief
12-3531	Stereo-3 Conductor (metal) w/o Strain Relief
12-3533	Mono-2 Conductor (plastic) with Strain Relief
12-3535	Mono-2 Conductor (plastic) w/o Strain Relief
12-3537	Stereo-3 Conductor (plastic) with Strain Relief
12-3539	Stereo-3 Conductor (plastic) w/o Strain Relief

12-3541

12-3543

12-3545, 12-3547

12-3549

12-3551

1/4" MONO/STEREO PHONE JACKS (CHASSIS MOUNT)

PART NO.	DESCRIPTION
12-3541	Mono-2 Conductor - Open Circuit Type
12-3543	Mono-2 Conductor - Close Circuit Type
12-3545	Stereo-3 Conductor - Open Circuit Type
12-3547	Stereo-3 Conductor - Close Circuit Type
12-3549	Mono-2 Conductor - Open Circuit Type
12-3551	Mono-2 Conductor - Close Circuit Type

12-4000

12-4005

12-4015

12-4020

12-4030, 4035

12-4040

12-4041

12-4045, 4050

12-4055

3.5MM MONO/STEREO MINI PLUGS/JACKS

PART NO.	DESCRIPTION
12-4000	Mono Plug - Metal
12-4005	Stereo Plug - Metal
12-4015	Mono Plug with Strain Relief- Plastic
12-4020	Stereo Plug with Strain Relief- Plastic
12-4030	Mono Jack - Metal
12-4035	Stereo Jack - Metal
12-4040	Mono Jack - Chassis Mount
12-4041	Stereo Jack Chassis Mount
12-4045	Mono Jack with Strain Relief- Plastic
12-4050	Stereo Jack with Strain Relief- Plastic
12-4055	Mono Jack Chassis Mount- Closed Circuit

2.5MM MONO/STEREO SUB-MINI PLUGS/JACKS

12-4200

12-4205

12-4210, 4225

12-4215

12-4216

12-4220

12-4230, 4235

12-4240

PART NO.	DESCRIPTION
12-4200	Mono Plug - Metal
12-4205	Stereo Plug - Metal
12-4210	Mono Jack - Metal
12-4215	Mono Plug - Plastic
12-4216	Mono Plug - Plastic
12-4220	Stereo Plug - Plastic
12-4225	Stereo Jack - Metal
12-4230	Mono Jack - Plastic
12-4235	Stereo Jack - Plastic
12-4240	Mono Jack Chassis Mount- Closed Circuit

AUDIO ADAPTORS

12-7055, 7070

12-7060

12-7180

12-7205

12-7320

12-7335

12-7385, 7395

12-7405

12-7415, 7430

12-7470

12-7475

12-7525

12-7530

12-7595

12-7615

12-7625

12-7655

12-7670

12-7700

12-7745

PART NO.	DESCRIPTION
12-7055	RCA Phone Plug to 3.5 mm Mono Jack - Plastic
12-7060	Y-Type Adaptor RCA Phone Plug to 2-3.5mm Mono Jacks
12-7070	RCA Phone Plug to 3.5mm Stereo Jack - Plastic
12-7180	6.3mm Mono Plug to 6.3mm Stereo Jack - Plastic
12-7205	6.3mm Mono Plug to 3.5mm Mono Jack - Plastic
12-7320	6.3mm Stereo Plug to 3.5mm Mono Jack - Plastic
12-7335	6.3mm Stereo Plug to 3.5mm Stereo Jack - Plastic
12-7385	6.3mm Mono Jack to 6.3mm Mono Jack - Plastic
12-7395	6.3mm Stereo Jack to 6.3mm Stereo Jack - Plastic
12-7405	3.5mm Mono Plug to RCA Phone Jack - Plastic
12-7415	3.5mm Mono Plug to 6.3mm Mono Jack - Plastic
12-7430	3.5mm Mono Plug to 1/4" Stereo Jack -Plastic
12-7470	3.5mm Mono Plug to 3.5 Stereo Jack -Plastic
12-7475	Y Adaptor 3.5mm Mono Plug to (2) 3.5mm Mono Jacks - Plastic
12-7525	3.5mm Stereo Plug to RCA Phone Jack - Plastic
12-7530	Y Adaptor 3.5mm Stereo Plug to (2) RCA Phone Jacks - Plastic
12-7595	Y Adaptor 3.5mm Stereo Plug to (2) 3.5mm Stereo Jacks -Plastic
12-7615	3.5mm Stereo Plug to 2.5mm Mono Jack -Plastic
12-7625	3.5mm Stereo Plug to 2.5mm Stereo Jack -Plastic
12-7655	2.5mm Mono Plug to RCA Phone Jack -Plastic
12-7670	2.5mm Mono Plug to 6.3 Mono Jack -Plastic
12-7700	2.5mm Mono Plug to 3.5 Stereo Jack -Plastic
12-7745	2.5mm Stereo Plug to 3.5 Stereo Jack -Plastic

SHIELDED AUDIO CABLES

AUDIO CABLES - DUAL RCA PLUG TO RCA PLUG

11-1401

PART NO.	DESCRIPTION
11-1401	1' RCA Plug to RCA Plug- Stereo (Shielded) Cable
11-1403	3' RCA Plug to RCA Plug- Stereo (Shielded) Cable
11-1404	4' RCA Plug to RCA Plug- Stereo (Shielded) Cable
11-1406	6' RCA Plug to RCA Plug- Stereo (Shielded) Cable
11-1410	10' RCA Plug to RCA Plug- Stereo (Shielded) Cable
11-1412	12' RCA Plug to RCA Plug- Stereo (Shielded) Cable
11-1415	15' RCA Plug to RCA Plug- Stereo (Shielded) Cable
11-1417	17' RCA Plug to RCA Plug- Stereo (Shielded) Cable
11-1420	20' RCA Plug to RCA Plug- Stereo (Shielded) Cable
11-1425	25' RCA Plug to RCA Plug- Stereo (Shielded) Cable

11-1603

AUDIO CABLES - RCA PLUGS TO RCA JACKS

PART NO.	DESCRIPTION
11-1603	3' (2)RCA Plug to (2)RCA Jacks- Extended (Shielded) Cable
11-1606	6' (2)RCA Plug to (2)RCA Jacks- Extended (Shielded) Cable

GOLD-PLATED AUDIO CABLES - RCA PLUGS TO RCA PLUGS 11-2004

PART NO.	DESCRIPTION
11-2004	4' (2)RCA Plug to (2)RCA Plug- Gold-Plated Stereo (Shielded) Cable
11-2006	6' (2)RCA Plug to (2)RCA Plug- Gold-Plated Stereo (Shielded) Cable
11-2010	10' (2)RCA Plug to (2)RCA Plug- Gold-Plated Stereo (Shielded) Cable
11-2015	15' (2)RCA Plug to (2)RCA Plug- Gold-Plated Stereo (Shielded) Cable

AUDIO CABLES

11-1006   11-3815

AUDIO CABLES MONO RCA PLUG TO RCA PLUG

PART NO.	DESCRIPTION
11-1003	3' RCA Plug to RCA Plug- Mono (Shielded) Cable
11-1004	4' RCA Plug to RCA Plug- Mono (Shielded) Cable
11-1005	5' RCA Plug to RCA Plug- Mono (Shielded) Cable
11-1006	6' RCA Plug to RCA Plug- Mono (Shielded) Cable
11-1010	10' RCA Plug to RCA Plug- Mono (Shielded) Cable
11-1025	25' RCA Plug to RCA Plug- Mono (Shielded) Cable

NON-SHIELDED AUDIO CABLES - RCA PLUG TO RCA PLUG/JACK

PART NO.	DESCRIPTION
11-3815	15' RCA Plug to RCA Plug- Speaker Extension
11-3825	25' RCA Plug to RCA Plug- Speaker Extension
11-4025	25' RCA Plug to RCA Jack- Speaker Extension

11-5003, 5006, 5010

AUDIO CABLES - 3.5MM STEREO PLUG TO STEREO PLUG

PART NO.	DESCRIPTION
11-5003	3' Cable -3.5mm Stereo Plug to 3.5mm Stereo Plug
11-5006	6' Cable -3.5mm Stereo Plug to 3.5mm Stereo Plug
11-5010	10' Cable -3.5mm Stereo Plug to 3.5mm Stereo Plug

11-4203, 4206

AUDIO CABLES - 3.5MM MONO TO MONO PLUG

PART NO.	DESCRIPTION
11-4203	3' Cable -3.5mm Mono Plug to 3.5mm Mono Plug
11-4206	6' Cable -3.5mm Mono Plug to 3.5mm Mono Plug

11-5502, 5503

AUDIO CABLES - 2.5/3.5MM STEREO PLUG TO STEREO PLUG/JACK

PART NO.	DESCRIPTION
11-5502	3' Right Angle -2.5mm Stereo Plug to 2.5mm Stereo Plug
11-5503	3' Cable -2.5mm Stereo Plug to 2.5mm Stereo Jack

11-5603, 5604, 5606, 56010   11-6006

AUDIO CABLE - 1/4" MONO PLUG TO 1/4" MONO/RCA PLUG

PART NO.	DESCRIPTION
11-5603	3' Cable -1/4" Mono Plug to 1/4" Mono Plug
11-5604	4' Cable -1/4" Mono Plug to 1/4" Mono Plug
11-5606	6' Cable -1/4" Mono Plug to 1/4" Mono Plug
11-5610	10' Cable -1/4" Mono Plug to 1/4" Mono Plug
11-6006	6' Cable -1/4" Mono Plug to RCA Plug

AUDIO CABLES - 3.5MM STEREO PLUG TO STEREO JACK

PART NO.	DESCRIPTION
11-5203	3' Cable -3.5mm Stereo Plug to 3.5mm Stereo Jack
11-5206	6' Cable -3.5mm Stereo Plug to 3.5mm Stereo Jack
11-5210	10' Cable -3.5mm Stereo Plug to 3.5mm Stereo Jack
11-5225	25' Cable -3.5mm Stereo Plug to 3.5mm Stereo Jack
11-5415	15' Coiled Cable -3.5mm Stereo Plug to 3.5mm Stereo Plug

11-5203, 5206, 5210, 5225

11-5415

Y-CORD ADAPTORS

PART NO.	DESCRIPTION
11-6601	Y-Type RCA Plug to (2) RCA Plugs
11-6603	Y-Type RCA Plug to (2) RCA jacks
11-6605	Y-Type RCA Jack to (2) RCA Plugs
11-6609	Y-Type 3.5mm Stereo Plug to (2) RCA Plugs
11-6611	Y-Type 3.5mm Stereo Plug to (2) RCA Jacks
11-6613	Y-Type 3.5mm Stereo Plug to (2) 3.5mm Stereo Jacks
11-6617	Y-Type 1/4" Stereo Plug to (2) RCA Plugs
11-6619	Y-Type 1/4" Mono Plug to (2) RCA Jacks

11-6601
11-6603
11-6605
11-6609
11-6617
11-6619
11-6611
11-6613
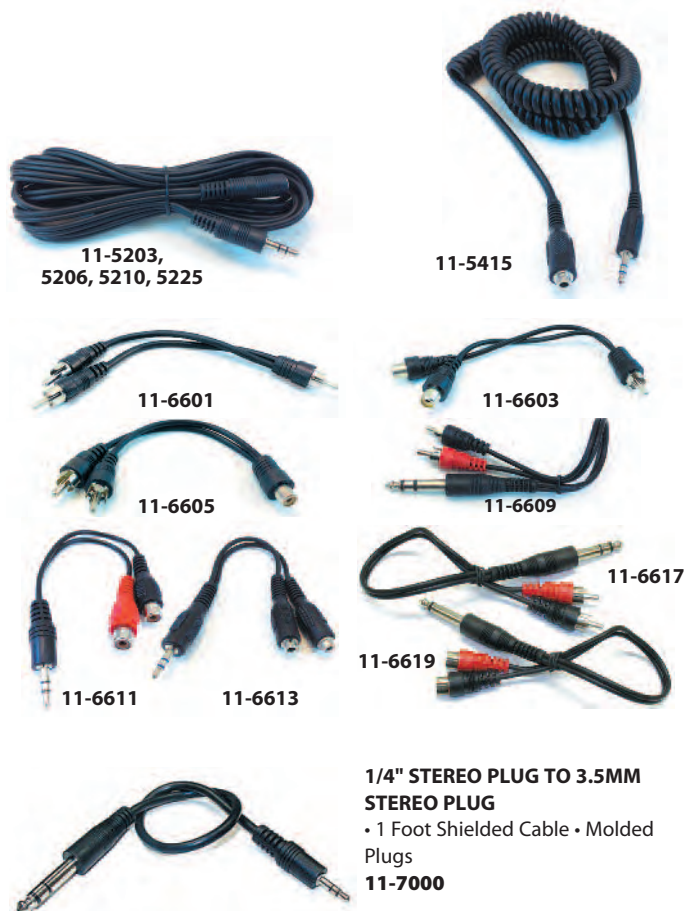
1/4" STEREO PLUG TO 3.5MM STEREO PLUG
• 1 Foot Shielded Cable • Molded Plugs
11-7000

GLOW IN THE DARK GUITAR CABLE
• 1/4" Shielded Mono Phone Plug to 1/4" Shielded Mono Phone Plug • 11.5 Feet • Low Noise 95% Shielding
11-7010

CIGARETTE LIGHTER PLUGS

CIGARETTE LIGHTER EXTENSION CORDS

31-4520

31-3005
31-3009
31-3001
31-3011
31-4115

31-3015
31-3017
31-3019
31-4015
31-4506

PART #	DESCRIPTION	PART #	DESCRIPTION
31-3001	Lighter/Socket/Solder Clips	31-3015	Lighter Socket
31-3005	Lighter and Socket	31-3017	Dual Lighter Socket
31-3009	Lighter Socket	31-3019	Lighter Plug
31-3011	Lighter plug, fused		

PART #	DESCRIPTION	PART #	DESCRIPTION
31-4015	15 Ft Extension Cord	31-4506	6 Inch "Y" Cord
31-4115	15 Ft Coiled Cord	31-4520	2.1 mm X 5.5 DC Power

FUSE HOLDERS

AGU IN-LINE FUSEHOLDERS WITH SCREW-ON TOP
Universal in-line fuse holder made of black plastic "Bakelite". For AGU type fuses; 8 g.

65-5408

MINI ATM FUSE HOLDER
Waterproof in-line fuse holder for mini blade type fuses. Available w/12 or 16 gauge wire.

PART #	AWG.
FH-M12	12
FH-M16	16

3AG/AGC IN-LINE FUSE HOLDERS WITH SCREW-ON TOP
Universal in-line fuse holder made of black plastic "Bakelite". For 3AG/AGC type fuses.

PART #	AWG.
65-5410	10
65-5412	12
65-5414	14

ATC FUSE HOLDER WITH WATERPROOF COVER
Quality rubber holders with wire loop. Holds fuse securely and protects from impact.

PART #	AWG.
65-5010	10
65-5012	12
65-5014	14
65-5016	16
65-5018	18

3AG/AGC IN-LINE FUSE HOLDER 18 GA.
Universal in-line fuse holder in white plastic. 18 gauge wire loop. For 3AG/AGC type fuses.

65-5618

DELUXE MAXI FUSE HOLDER W/WATERPROOF COVER
Quality rubber fuse holder with attached protective cover and 8 gauge wire. Accepts MAXI fuses up to 60 amps.

65-5308

FUSE BLOCKS, BARRIER STRIPS & CIRCUIT PROTECTORS

ATC AUXILIARY FUSE BLOCK
This ATC style fuse distribution block features a single input prewired with 24" of 10GA wire that feeds 6 individually fused outputs. Ideal for connecting alarms, audio/video systems, and other accessories. Includes mounting screws.

AFB400

AUTO-RESET CIRCUIT BREAKERS
Designed to give overload protection in automotive and electronic equipment, these breakers have heavy duty contacts and a snap-action bi-metal blade that provides quick action on contact make-and-break. Automatic reset type. In an overload, the breaker will begin to cycle, alternately opening and closing the circuit until the fault is removed. Mixed quantities accepted.

PART NO.	AMPS	PART NO.	AMPS
54-215	15	**54-230**	30
54-220	20	**54-240**	40
54-225	25	**54-250**	50

ATM FUSE "ADD-A-LINE"
Protect electronics, cellular phones, auxiliary lights, & accessories w/mini ATM fuseholder. Add a line to any 12 volt set-up.

HHH

ATC FUSE "ADD-A-LINE"
Protect electronics, cellular phones, auxiliary lights, and accessories with the mini ATC fuse holder. Add a line to any 12 volt set-up.

HHA

BUSSMANN® HIGH AMP MANUAL RESET CIRCUIT PROTECTORS
This new circuit protector is typically used in primary feeder circuits in trucks, buses, recreational vehicles and high-end mobile electronic applications. This circuit protector is a single pole, thermal device, rated up to 30V DC. Perfect for applications requiring panel or fire wall mounting. Possesses a unique reset mechanism which provides a positive, visible indication of a tripped condition.

PART NO.	AMPS	PART NO.	AMPS
MRCB-50	50	**MRCB-120**	120
MRCB-70	70	**MRCB-135**	135
MRCB-100	100	**MRCB-150**	150

DELUXE MAXI FUSES

High current plug-in type fuse. Please specify amperage when ordering. Amperage: 20, 30, 40, 50, 60.

PART #	AMPS	PART #	AMPS
MAXI-20	20	MAXI-50	50
MAXI-30	30	MAXI-60	60
MAXI-40	40		

ATC BLADE TYPE FUSES

This fuse may also be used in a wide variety of low voltage applications. Amperage: 1, 2, 3, 4, 5, 7.5, 10, 15, 20, 25, 30, 40.

PART NO.	AMPS	PART NO.	AMPS
ATC-1	1	ATC-10	10
ATC-2	2	ATC-15	15
ATC-3	3	ATC-20	20
ATC-4	4	ATC-25	25
ATC-5	5	ATC-30	30
ATC-7.5	7.5	ATC-40	40

MINI ATM BLADE-TYPE FUSES

Standard for new cars. Amperage: 2, 3, 4, 5, 7.5, 10, 15, 20, 25, 30.

PART NO.	AMPS	PART NO.	AMPS
ATM-2	2	ATM-10	10
ATM-3	3	ATM-15	15
ATM-4	4	ATM-20	20
ATM-5	5	ATM-25	25
ATM-7.5	7.5	ATM-30	30

FUSE TAPS

A FT-1 ATC fuse tap with .250" male disconnect.
B FT-2 ATM fuse tap with .187" male disconnect.
C FT-3 ATC fuse tap with .250" male disconnect. Clips onto fuse leg.
D FT-4 ATM fuse tap with .187" male disconnect. Clips onto fuse leg.
E 700 Fuse clip adaptor with .250" male disconnect.

COVERED BARRIER STRIPS

Double-row barrier strips with snap-on clear plastic cover. Available for 4, 6, 12 and 30 terminals.
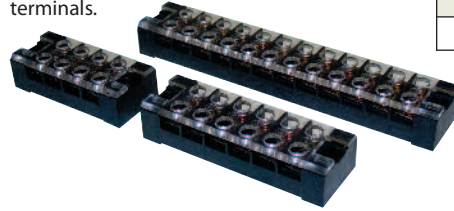
PART #	SECTION
64-8004	4
64-8006	6
64-8012	12

FLEXIBLE TERMINAL STRIPS

Flexible PVC Screw terminal strip. Easily bent in any direction. 12 double rows. Cut to desired number of poles.

64-8029
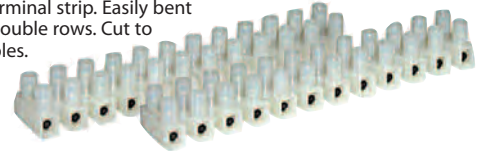
9V BATTERY SNAPS

"I" OR "T" Style; 6" leads

32-8007DLX6, 32-8007

32-8006, 32-8006DLX6

PART #	TYPE
32-8006	I-STYLE
32-8006DLX6	I-STYLE
32-8007	T-STYLE
32-8007DLX6	T-STYLE

MULTI-PIN CONNECTORS

MULTI-PIN CONNECTORS

Color-coded wire loop. Approximately 12" - 18 AWG leads. PM series use .110" terminals. LM series use .250" terminals.

32-2020SM **32-2020** **32-2030** **32-2031**

32-2040 **32-2041** **32-2060** **32-2061** **32-2090**

PART #	SIZE	PART #	SIZE
32-2020SM	2 pin small	32-2041	4 pin large
32-2020	2 pin large	32-2060	6 pin small
32-2030	3 pin small	32-2061	6 pin large
32-2031	3 pin large	32-2090	9 pin small
32-2040	4 pin small		

ROUND MULTI-PIN CONNECTORS

12" 18 AWG wire harness with color coded leads and locking mating ends for proper connection in all types of conditions.

32-3001 **32-3002** **32-3003** **32-3004**

32-3004F **32-3006** **32-3009** **32-3012** **32-3015**

PART #	SIZE	PART #	SIZE
32-3001	1 pin	32-3006	6 pin
32-3002	2 pin	32-3009	9 pin
32-3003	3 pin	32-3012	12 pin
32-3004	4 pin	32-3015	15 pin
32-3004F	4 pin		

2 PIN QUICK DISCONNECT BULLET LEADS

2 Pin molded connector with 12" long wire harness and color coded leads.

PART #	PIN/AWG.	LENGTH
32-1010	2-pin/10 AWG	12"
32-1012	2-pin/12 AWG	12"
32-1014	2-pin/14 AWG	12"
32-1016	2-pin/16 AWG	12"
32-1018	2-pin/18 AWG	12"

ANTENNA EXTENSION LEADS & Y ADAPTORS

31-7111 6" Y-Adaptor; 1 jack to 2 plugs

31-7109 6" Y-Adaptor; 1 plug to 2 jacks
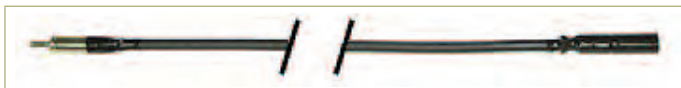
Plug to jack connector antenna adaptor
31-8002 2 ft.   **31-8004** 4 ft.   **31-8006** 6 ft.
31-8008 8 ft.   **31-8010** 10 ft.   **31-8012** 12 ft.

31-7102 2 ft. Motorola plugs both ends

MOTOROLA CONNECTORS

31-7003 Motorola Plug

31-7001 Motorola Plug

31-7005 Motorola Plug

NOISE FILTERS

ALTERNATOR NOISE FILTER
Designed to eliminate most types of alternator whine. Uses a combination of choke and capacitor.
32-6610

GROUND LOOP ISOLATOR
A low level filter that isolates the ground between amplifier and radio, eliminating noise through the RCA cables. Completely eliminates alternator whine and ignition spikes due to path ground loops.
GL-100

HEAVY DUTY PRIMARY WIRE

Quality wire for all your hook-up needs. Bare copper strands, 60° PVC jacket.18,16, and 14 AWG available red, black, white, blue, green, yellow, orange, brown, grey and violet. All others in red and black.

When ordering, indicate color of wire at the end of the part number. EXAMPLE: **PW-18 RED.**

PART NO.	AWG
500 ft. spools	
PW-18	18
PW-16	16
PW-14	14
PW-12	12
PW-10	10
PW-8	8
100 ft spools	
PW-6 *	6
PW-4 *	4

RED AND BLACK HEAVY-DUTY ZIP CORD

Polarized zip cord easy identification.

PART NO.	GAUGE	SPOOL/FT
61-3001-25	10	25
61-3001-50	10	50
61-3001-100	10	100
61-3001-500	10	500
61-3003-25	12	25
61-3003-50	12	50
61-3003-100	12	100
61-3003-500	12	500
61-3005-50	14	50
61-3005-100	14	100
61-3005-500	14	500
61-3007-50	16	50
61-3007-100	16	100
61-3007-500	16	500
61-3009-50	18	50
61-3009-100	18	100
61-3009-500	18	500
61-3020	20	1000
61-3022	22	1000
61-3024	24	1000

SPLIT-LOOM

Black corrugated polyethylene tubing provides a harness protective covering. An easy opening seam permits quick wire insertion. Shipped in 100 ft. lengths

PART #	ID
SLT-18	1/8"
SLT-14	1/4"
SLT-38	3/8"
SLT-12	1/2"
SLT-58	5/8"
SLT-34	3/4"
SLT-1	1"

Additional savings available when split loom tubing is ordered in standard cartons. Call for details.

CABLE CLAMPS

Black nylon hang clamps allow the installation of wire bundles, cables, fiber optics, tubing or wire harnesses. Mounts securely with screw.

PART NO.	I.D.
CCB-316	3/16"
CCB-14	1/4"
CCB-516	5/16"
CCB-38	3/8"
CCB-12	1/2"
CCB-34	3/4"
CCB-1	1"

REGULAR TIES

Self-locking non-corrosive nylon with a bent design for ease of installation and handling by tool or hand.

PART NO.	SIZE	COLOR	STRESS	I.D.**
CT-4	4"	NATURAL	18 LB.	15/16"
CT-4B	4"	BLACK	18 LB.	15/16"
CT-6	6"	NATURAL	30 LB.	11/2"
CT-6B	6"	BLACK	30 LB.	11/2"
CT-8	8"	NATURAL	50 LB.	13/4"
CT-8B	8"	BLACK	50 LB.	13/4"
CT-11	11"	NATURAL	50 LB.	3"
CT-11B	11"	BLACK	50 LB.	3"
CT-15	15"	NATURAL	50 LB.	4"
CT-15B	15"	BLACK	50 LB.	4"

**Maximum diameter bundle*

ADHESIVE BACKED TIE MOUNTS

Natural colored nylon tie mount. Multidirectional; cable tie can enter from any side. Adhesive backed mount allows installation on most surfaces.

PART NO.	SIZE	STRESS
CTM-1	3/4"	40 lb
CTM-2	1"	50 lb

DC PLUGS, JACKS & ADAPTORS

DC POWER SUPPLY PLUGS

PART #	DESCRIPTION
68-0010	1.0mm (I.D.) X 3.8mm (O.D.)
68-0013	1.3mm (I.D.) X 3.5mm (O.D.)
68-0021	2.1mm (I.D.) (Short) X 5.5mm (O.D.)
68-0025L	2.5mm (I.D.) (Long) X 5.5mm (O.D.)
68-0030	3.0mm (I.D.) X 6.3mm (O.D.)

DC POWER SUPPLY PLUGS

PART #	DESCRIPTION
68-0040	2.1 X 5.5 DC male to 2P terminal
68-0048	2.5 X 5.5 DC male to 2P terminal

DC POWER SUPPLY PLUGS

PART #	DESCRIPTION
68-0041	2.1 X 5.5 DC female to 2P terminal
68-0049	2.5 X 5.5 DC female to 2P terminal

DC POWER CHASSIS JACK

PART #	DESCRIPTION
68-0421	2.1mm (I.D.)
68-0425	2.5mm (I.D.)

DC POWER IN-LINE PLUG

PART #	DESCRIPTION
68-0521	2.1mm (I.D.)
68-0525	2.5mm (I.D.)

DC POWER CHASSIS JACK

PART #	DESCRIPTION
68-0421	2.1mm (I.D.)
68-0425	2.5mm (I.D.)

DC POWER EXTENSION CABLES

DC POWER EXTENSION CABLES

PART #	DESCRIPTION
68-0046	16awg 6" 2.1mm male to tinned end
68-0047	16awg 6" 2.5mm male to tinned end

DC POWER EXTENSION CABLES

PART #	DESCRIPTION
68-0042	18awg 10' 2.1mm male to female
68-0043	18awg 10' 2.5mm male to female
68-0044	16awg 10' 2.1mm male to female
68-0045	16awg 10' 2.5mm male to female

2.1 X 5.5MM DC POWER PLUG TO OPEN END
• 5 Foot 18 Gauge Wire • Molded Plug 2.1mm Plug • Polarized Red and Black Wire (Red Wire = Positive Center)
31-4530

SINGLE & DUAL BANANA PLUGS

These banana plugs for securing wire, up to 10g. Fits all standard speaker jacks. Color coded for positive and negative poles.

68-0703R/BK

68-0704R/BK

68-0705R/BK **68-0706R/BK** **68-0711R/BK**

PART #	DESCRIPTION	COLOR
68-0703RED	DUAL BANANA PLUG/JACK GOLD PLATED	RED
68-0703BLK	DUAL BANANA PLUG/JACK GOLD PLATED	BLACK
68-0704RED	DUAL BANANA PLUG	RED
68-0704BLK	DUAL BANANA PLUG	BLACK
68-0705RED	BANANA PLUG	RED
68-0705BLK	BANANA PLUG	BLACK
68-0706RED	BANANA PLUG	RED
68-0706BLK	BANANA PLUG	BLACK
68-0711RED	GOLD-PLATED BANANA PLUG	RED
68-0711BLK	GOLD-PLATED BANANA PLUG	BLACK

BINDING POSTS/BANANA PLUGS

68-0707R, BK **68-0709R, BK** **68-0713**

PART #	DESCRIPTION	COLOR
68-0707RED	BANANA JACKS	RED
68-0707BLK	BANANA JACKS	BLACK
68-0709RED	5-WAY BINDING POST	RED
68-0709BLK	5-WAY BINDING POST	BLACK
68-0713	DUAL BINDING POST/BANANA JACKS	RED & BLACK

BATTERY CLIPS/IC CLIPS/TEST LEADS

BATTERY CLIPS

Wide mouth, spring-loaded battery clips. Color coded red and black.

68-0764R

68-0766B

PART #	Description	Color
68-0764R	3" - 30 AMPS	RED
68-0764B	3" - 30 AMPS	BLACK
68-0766R	4" - 50 AMPS	RED
68-0766B	4" - 50 AMPS	BLACK

TEST LEADS

Alligator clip test leads. Each set contains 10 cables. 2-white, 2-red, 2-green, 2-black, and 2-yellow.

68-0780
68-0782
68-0784

68-0785

PART #	Alligator Clip Type	Lead Length
68-0780	SM (1" Clip)	18"
68-0782	MD (1 1/2" Clip)	22"
68-0784	LG (1 3/4" Clip)	22"
68-0785	Hvy Dty (1 3/4" Clip)	30"

Test Lead Probes

Banana Plugs

Pin Plugs

IC Clips

Deluxe Banana Plugs

IC CLIP & TEST LEAD PROBE SETS

36" red and black color coded ends in various configurations.

PART #	END-A	END-B
68-0810	IC CLIP	PIN PLUG
68-0820	IC CLIP	BANANA PLUG
68-0830	IC CLIP	IC CLIP
68-0840	TEST LEAD	PIN PLUG
68-0850	TEST LEAD	BANANA PLUG

MINI IC CLIPS 1 1/2" LONG

Firmly clips on to large or small wires and terminals so hands are free to do other work.

PART #	COLOR
68-0744	RED
68-0746	BLACK

HARDWARE TERMINALS

QUICK DISCONNECT Vinyl insulated female disconnects, .250"; 100/pack
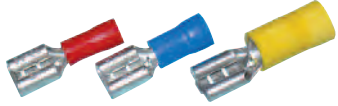
PART #	COLOR	AWG
100	(Red)	22-18 g.
101B	(Blue)	16-14 g.
102Y	(Yellow)	12-10 g.

QUICK DISCONNECT Vinyl fully insulated female disconnects, .250"; 100/pack
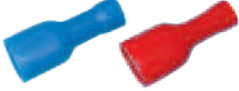
PART #	COLOR	AWG
103A	(Red)	22-18 g.
103B	(Blue)	16-14 g.

QUICK DISCONNECT Nylon see thru fully insulated female disconnects, .250"; 100/pack

PART #	COLOR	AWG
103C	(Red)	22-18 g.
103D	(Blue)	16-14 g.
103E	(Yellow)	12-10 g.

QUICK DISCONNECT Vinyl insulated .250" male disconnects; 100/pack

PART #	COLOR	AWG
400	(Red)	22-18 g.
401	(Blue)	16-14 g.
402	(Yellow)	12-10 g.

QUICK DISCONNECT Nylon fully insulated male disconnect .250"; 100/pack

PART #	COLOR	AWG
403	(Red)	22-18 g.
404	(Blue)	16-14 g.
405	(Yellow)	12-10 g.

QUICK DISCONNECT Vinyl insulated female disconnects, .187"; 100/pack

PART #	COLOR	AWG
105A	(Red)	22-18 g.
105B	(Blue)	16-14 g.

QUICK DISCONNECT Vinyl insulated female disconnects, .205"; 100/pack
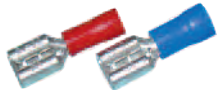
PART #	COLOR	AWG
105C	(Red)	22-18 g.
105D	(Blue)	16-14 g.

QUICK DISCONNECT Vinyl insulated female disconnects, .110"; 100/pack

PART #	COLOR	AWG
104A	(Red)	22-18 g.

QUICK DISCONNECT Male "Y" disconnect, .250". Fully insulated.

PART #	COLOR	AWG
800Y	(Blue)	-

QUICK DISCONNECT See-thru male disconnect strip, .250". Fully insulated. 24 per strip.

PART #	COLOR	DESC
800	(Yellow)	12 /side.

FLEXIBLE TERMINAL STRIPS Vinyl insulated female disconnects, .250"

PART #	DESCRIPTION
64-8029	Flexible PVC screw terminal strip. Easily bent in any direction. 12 double rows. Cut to desired number of poles.

MALE BULLET CONNECTORS Vinyl insulated male bullets, .156"; 100/pack

PART #	COLOR	AWG
300M	(Red)	22-18 g.
301M	(Blue)	16-14 g.

MALE BULLET CONNECTORS See-thru nylon insulated male bullets, .156"; 100/pack

PART #	COLOR	AWG
300MN	(Red)	22-18 g.
301MN	(Blue)	16-14 g.

FEMALE BULLET CONNECTORS Vinyl insulated female bullets, .156"; 100/pack
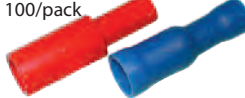
PART #	COLOR	AWG
300F	(Red)	22-18 g.
301F	(Blue)	16-14 g.

FEMALE BULLET CONNECTORS See-thru nylon insulated female bullets, .156"; 100/pack

PART #	COLOR	AWG
300FN	(Red)	22-18 g.
301FN	(Blue)	16-14 g.

RING TERMINALS Vinyl insulated rings, #6 inside diameter. 100/pack
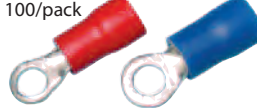
PART #	COLOR	AWG
106	(Red)	22-18 g.
106C	(Blue)	16-14 g.

RING TERMINALS Vinyl insulated rings, #8 inside diameter. 100/pack

PART #	COLOR	AWG
106A	(Red)	22-18 g.
107A	(Blue)	16-14 g.
108A	(Yellow)	12-10 g.

RING TERMINALS Vinyl insulated rings, #10 inside diameter. 100/pack

PART #	COLOR	AWG
106B	(Red)	22-18 g.
107C	(Blue)	16-14 g.
108C	(Yellow)	12-10 g.

RING TERMINALS Vinyl insulated rings, 1/4" inside diameter.

PART #	COLOR	AWG
107B	(Blue)	16-14 g.
108B	(Yellow)	12-10 g.

RING TERMINALS Vinyl insulated rings, 3/8" inside diameter.

PART #	COLOR	AWG
108D	(Blue)	16-14 g.
109	(Yellow)	12-10 g.
109A	(Red)	8 g.

RING TERMINALS Vinyl insulated ring, 1/2" inside diameter.

PART #	COLOR	AWG
110A	(Yellow)	12-10 g.

PIGGY BACK ADAPTORS
Female to male piggyback adapters, .250";
100/pack

PART #	COLOR	AWG
119A	(Red)	22-18 g.
119B	(Blue)	16-14 g.

QUICK SPLICE ADAPTORS
Vinyl fold-and-snap line splicers; 100/pack

PART #	COLOR	AWG
600	(Red)	22-18 g.
601	(Blue)	16-14 g.

BUTT CONNECTORS
Vinyl insulated butt connectors; 100/pack

PART #	COLOR	AWG
200	(Red)	22-18 g.
201	(Blue)	16-14 g.
202	(Yellow)	12-10 g.
208	(Red)	8 g.

FEMALE BULLET CONNECTORS
See-thru nylon insulated butt connectors;
100/pack

PART #	COLOR	AWG
203	(Red)	22-18 g.
204	(Blue)	16-14 g.
205	(Yellow)	12-10 g.

SPADE TERMINALS
Vinyl insulated spade tongues #6 inside
diameter. 100/pack

PART #	COLOR	AWG
503	(Red)	22-18 g.
505	(Blue)	16-14 g.

SPADE TERMINALS
Vinyl insulated spade tongues #8 inside
diam.; 100/pack
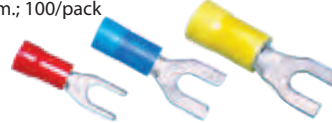
PART #	COLOR	AWG
500	(Red)	22-18 g.
501	(Blue)	16-14 g.
502	(Yellow)	12-10 g.

SPADE TERMINALS
Vinyl insulated spade tongues #10 inside
diam.; 100/pack

PART #	COLOR	AWG
504	(Red)	22-18 g.
506	(Blue)	16-14 g.
507	(Yellow)	12-10 g.

WIRE NUTS
Vinyl wire nuts, threaded on the inside.
100/pack
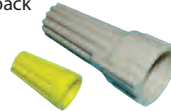
PART #	COLOR	AWG
113A	(Yellow)	22-18 g.
114A	(Tan)	16-14 g.

CRIMP CAPS
Nylon crimp caps, regular barrel. 100/pack
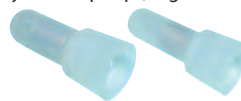
PART #	COLOR	AWG
111A	(Natural)	22-14 g.
112A	(Natural)	12-10 g.

HEAT SHRINK PERMA-SEAL TERMINALS

Perma-Seal all-weather heat 1 sealable terminals and splices provide a rugged, environmentally sealed connection for wire sizes 8-22 AWG that will insulate, seal, and protect wire splices from physical abuse and abrasion, water, salt, and other corrosive compounds.

INSULATED HEAT SHRINK BUTT SPLICES
Perma-Seal™ nylon
splices. Seals and
protects when
heat activated.;
25/pack

PART #	COLOR	AWG
19164-0013	(Red)	18-22 g.
19164-0044	(Blue)	14-16 g.
19164-0056	(Yellow)	10-12 g.
19164-0079	(Red)	8 g.

INSULATED HEAT SHRINK QUICK DISCONNECTS
Perma-Seal™ nylon female quick
disconnect couplers. Seals and protects
when heat activated. .250" tab size;
25/pack

PART #	COLOR	AWG
19164-0017	(Red)	18-22 g.
19164-0050	(Blue)	14-16 g.
19164-0076	(Yellow)	10-12 g.

INSULATED HEAT SHRINK RING TERMINALS
Perma-Seal™ nylon ring termi-
nals. Seals and protects when
heat activated; 25/pack

PART #	COLOR	ID	AWG
19164-0086	(Red)	#8 ID	18-22 g.
19164-0033	(Blue)	#8 ID	14-16 g.
19164-0026	(Blue)	1/4" ID	14-16 g.
19164-0020	(Blue)	3/8" ID	14-16 g.
19164-0062	(Yellow)	#8 ID	10-12 g.
19164-0066	(Yellow)	1/4" ID	10-12 g.
19164-0068	(Yellow)	3/8" ID	10-12 g.
19164-0082	(Red)	3/8" ID	8 g.

INSULATED HEAT SHRINK SPADE TERMINALS
Perma-Seal™ nylon spade terminals.
Seals and protects when heat activated;
25/pack

PART #	COLOR	AWG
19164-0007	(Red)	18-22 g.
19164-0029	(Blue)	14-16 g.
19164-0070	(Yellow)	10-12 g.

3M HARDWARE TERMINALS

T-TAP QUICK SPLICE ADAPTERS
Nylon female T-taps, Accepts .250" male disconnect; 100/pack

PART #	COLOR	AWG
3M604	(Red)	22-18 g.
3M605	(Blue)	16-14 g.
3M606	(Yellow)	12-10 g.

SCOTCHLOK® ADAPTERS
Fully insulated line splicers and adapters; 100/pack

PART #	COLOR	AWG
3M801	(Blue)	14-18/14-18 g.
3M905	(Red)	18-22/14-18 g.
3M902	(Brown)	14-18/10-12 g.
3M901	(Black)	14-18 g.*
Splice-on ATC blade fuse holder.		
3M972A	(Blue)	14-18 g.

Accepts bullet connector.

COPPER RING TERMINALS

COPPER RING TERMINALS
High grade, heavy-duty, seamless bare copper terminals. Made from ETP (Electrolyte Tough Pitch) copper.

PART #	ID
#8 gauge diameter	
AET-8141	$1/4$" I.D.
AET-8561*	$5/16$" I.D.
AET-8382	$3/8$" I.D.
AET-8503	$1/2$" I.D.
#6 gauge diameter	
AET-6141	$1/4$" I.D.
AET-6561*	$5/16$" I.D.
AET-6382	$3/8$" I.D.
AET-6503	$1/2$" I.D.
#4 gauge diameter	
AET-4141	$1/4$" I.D.
AET-4561*	$5/16$" I.D.
AET-4382	$3/8$" I.D.
AET-4503	$1/2$" I.D.

* $5/16$" I.D. terminals fit battery and starter connector screws exactly.

COPPER BUTT CONNECTORS
High grade, heavy-duty, seamless tinned copper butt connectors. Made from ETP (Electrolyte Tough Pitch) copper.

PART #	AWG
AET-20001	8 g.
AET-10001	6 g.
AET-1001	4 g.

SCREW TERMINALS

OCTAL SOCKET SCREW TERMINALS
8 & 11 pin screw terminals for easy connections and changes. Can be surface mounted or used with aluminum DIN rail. UL listed.

64-8811

PART #	PINS
64-8811	11
64-8808	8

64-8808
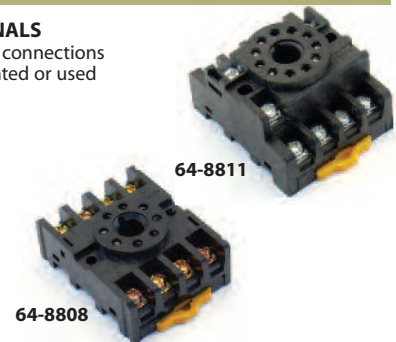
RELAYS, RELAY SOCKETS & DOOR LOCK ACTUATOR

PROLINK® SPDT RELAY
The ProLink SPDT40P features a higher current capability than the venerable industry standard Bosch relay.

SPDT40P

SPDT40M

PART #	DESCRIPTION	N.O. 12V	N.C. 12V
SPDT40P	PLASTIC MOUNTING TAB & HOUSING	40 AMP	30 AMP
SPDT40M	METAL BRACKET/PLASTIC HOUSING	40 AMP	30 AMP

PRE-WIRED DUAL RELAY SOCKETS

BRS-003

BRS-006, BRS007

BRS-008

2-WIRE POWER DOOR LOCK ACTUATORS
2-wire hook-up actuator. Compatible with most model vehicles and capable of tripping all model door locks. Mounting hardware included.

PDL-50
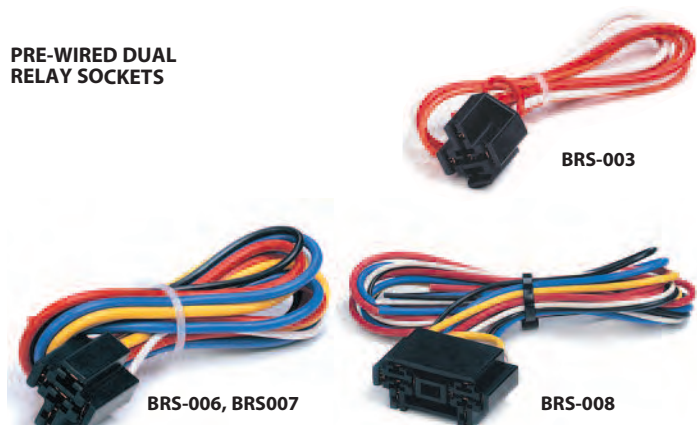
PART #	DESCRIPTION	LEADS
BRS-003	WITH DIODE (2) 12 AWG. AND (2) 18 AWG. WIRES	12"
BRS-006	(3) 14 AWG. AND (2) 18 AWG. WIRES	12"
BRS-007	(3) 14 AWG. AND (2) 18 AWG. WIRES	17"
BRS-008	(6) 14 AWG. AND (4) 18 AWG. WIRES	24"

DIGITAL VOM DT-830D

DCV:200mV-1000V,
ACV:200V-750V,
DCA:2000uA-10A,
OHM:200-2000K
hFE:yes
Diode Test:yes
Continuity Buzzer:yes
Square wave o/p:yes
Power Supply: 9V 6F22
Maximum Display:1999
Product
Size:126•70•28mm
Product Net
Weight.150g (Including
Batteries)

DIGITAL VOM MY60

DCV:200mV-1000V,
ACV:200mV-700V,
DCA:20 uA - 10A,
ACA:20mA-10A,
OHM:200¸-200M¸ TEMP:
20-1000c, Transistor
Test: yes
Auto Power OFF: yes,
Diode Test: yes,
Continuity Buzzer: yes,
Power: 9V, Maximum
Display: 1999, Display
Size:27•60mm, Product
Size:30•92•190mm
Product Net
Weight:310g (Including
Batteries)

DIGITAL VOM MY61

DCV:200mV-1000V,
ACV:200mV-700V,
DCA:2uA-10A,
ACA:2mA-10A,
OHM:200 - 200M¸
CAP:2nF-20uF,
Transistor Test: yes
Auto Power OFF: yes,
Diode Test: yes,
Continuity Buzzer: yes,
Power: 9V, Maximum
Display: 1999, Display
Size:27•60mm, Product
Size:90•189•31.5mm
Product Net Weight:
310g (Including
Batteries)

ANALOG VOM YX360TRNA

DCV:100
m/500m/2.5/10/50/
250/1000V, ACV:
10/50/250V/
1000V, DCA:
50u/2.5m/25m/
250mA,
OHM:x1/x10/x1K/x
10K/, hFE: 0-1000(w/TR
connector) Power
source:
(1.5V)•2, (9V)•1, dB:-
10dB ±22dB, L1:
150/15m/150mA,
Dimension:
150•100•36mm,
Weight: Approx.250g
(Including Battery)

DIGITAL VOM MAS830L

DCV:200mV-600V,
ACV:200V-600V, DC:10A,
OHM:200-2Meg¸ hFE:
yes transistor test,
Diode Test: yes,
Continuity Buzzer: yes,
Power Supply: 9V,
Display: 1999, Product
Size:126• 70•28mm,
Product Net
Weight.170g (Including
Batteries)
Packing: gift box,
Dimension:
138•69 •31mm

AC AMP/ CLAMP METER DTT266C

DCV:200mV-1000V
ACV:200V-750V
ACA:20A-1000A
OHM:200/20K OHM
Insulation Test:yes
Diode test:yes
Data Hold:yes
Power:9V 6F22
Maximum Display:1999
Display Size:14•47mm
Product Net
Weight:320g
Product Size:
230•90•37mm

DIGITAL VOM DT812

DCV:200mV-500V,
ACV:200V-500V,
DCA:2000uA-10A,
OHM:200ø-2000K,
hFE: yes
Diode Test: yes
Continuity Buzzer: yes
Square wave o/p: yes
Power Supply: 12V
Maximum Display: 1999
Product Size:
95•46•29mm
Product Net Weight:
80g (Including
Batteries)

DIGITAL VOM DT820D

DCV: 200mV-500V, ACV:
200V-500V, DCA:
2000uA-10A, OHM: 200-
20M, hFE: yes, Diode
Test: yes, Continuity
Buzzer: yes, Square
wave o/p: yes, Data
Hold for easy reading,
Power Supply: 9V 6F22,
Maximum Display:1999,
Product Size:
75•130•36mm
Product Net Weight:
150g (Including
Batteries)

DIGITAL VOM/ CABLE TESTER HY4300

DCV:200mV-1000mV,
ACA:2V-750V, DCA:2mA-
20A, ACA:200mA-20A
OHM:200-20m
Cable test:
RJ11/RJ12/RJ45/USB
Diode Test: yes
Continuity Buzzer: yes
Transistor Test: yes
Back Light, Live wire
identify: yes
Power: 9V 6F22
Maximum Display: 1999
Display Size: 30•57mm
Product Net Wt: 322g
(Including 9V Batteries)
Product Size: 190•90•34mm 820D

HAND HELD METAL DETECTOR

Indicators: Sound/Vibration
Operating Frequency: 22kHz
Power Consumption: Max 270W
Operating Voltage: 9V
Operating Temperature: -10ºC- ±65ºC
N.W.: 9 oz
Dimension: 16.5" X 3" X1.625"
Power Supply: 9V(6F22)

WIRE STRIPPER & CUTTING TOOL

Spring-loaded with insulated grips. Cuts and strips up to 10 AWG wire. Length: 5"

63-1120

SNIP CUTTERS

Spring-loaded snips with insulated grips, 45° angled nose for use in tight places.

63-1122

CABLE CUTTERS

Strong, sharp jaws that cut copper cables up to 3/8" diameter. Spring-loaded with "closed" lock.
Insulated grips. Length: 6 1/2".

63-1124

DELUXE RATCHET CRIMPER

Crimps insulated solderless terminals from 10 to 22 AWG. Dies are color-coded to the standard red, blue, and yellow for quick and easy identification. Positive homing action and ratchet release. Easy grip plastic handles for comfort and precision operation.

63-1007

NIBBLING TOOL

Can cut up to 18-gauge non-hardened metals and plastics. Cuts square holes for fuse holders, switches, indicator lamps, etc. Provides an initial cut of 3/8" (9.5mm).

63-1136

POCKET SIZE LED TESTER

Pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of 12 positions on the socket strip to test
at current ratings from 2-50ma. The seven middle positions on the strip are set at 10 ma allowing comparison of LED's in those spaces.

LEDTESTER

6" NEEDLE NOSE 55 HRC PROFESSIONAL JEWELER'S MINI PLIERS

• Jaw Length: 2" • Length: 6" • Needle Nose • Professional Quality • 55 HRC High Carbon Stainless Steel • Double Leaf Spring • Comfort Grip Handle • Used for Bending and Shaping Memory Wire into Fine Loops • Great for Home, Jewelry Making, Electronics, Beadwork, Craft, Hobby Etc

63-6000

5" LONG NOSE FLUSH CUTTER 55 HRC PROFESSIONAL JEWELER'S MINI PLIERS

Length: 5" • Long Nose, Flush Cutter • Professional Quality • High Carbon Stainless Steel • 55 HRC • Double Leaf Spring • Comfort Grip Handle

63-6001

4-1/2" DIAGONAL CUTTERS, FLUSH CUTTER 55 HRC PROFESSIONAL JEWELER'S MINI PLIERS

• Length: 4-1/2" • Diagonal Cutters, Flush Cutter • Professional Quality • High Carbon Stainless Steel • 55 HRC • Double Leaf Spring • Comfort Grip Handle • Diagonal Cutters For Cutting Memory Wire, Headpins, Eye Pins, Small Chain, Tigertail, Cords, Beading & All Your Electrical Repair Needs

63-6002

4-1/2" ROUND JAW 55 HRC PROFESSIONAL JEWELER'S MINI PLIERS

• Length: 4-1/2" • Round Jaw • Professional Quality • High Carbon Stainless Steel • 55 HRC • Double Leaf Spring • Comfort Grip Handle • Header Card

63-6003

4" END CUTTERS 55 HRC PROFESSIONAL JEWELER'S MINI PLIERS

Length: 4" • End Cutters • Professional Quality • High Carbon Stainless Steel • 55 HRC • Double Leaf Spring • Comfort Grip Handle • Header Card

63-6004

4" FLAT NOSE 55 HRC PROFESSIONAL JEWELER'S MINI PLIERS

• Length: 4" • Flat Nose • Professional Quality • High Carbon Stainless Steel • 55 HRC • Double Leaf Spring • Comfort Grip Handle • Header Card

63-6005

#1C, 4-1/2" NON MAGNETIC TWEEZERS, SUPER FINE TIP, 40-45 HRC
• Hardness: 40-45 HRC • Super Fine Point • Length: 4-1/2" • Straight: #1C Tip
• Thickness: 2.0mm • Professional Quality • Non- Magnetic Stainless Steel •
Anti-Acid and Rust Resistant • Great for Jewelers, Watch Makers,
Electronics, Lab Technicians Etc • Blister Card

63-6006

NON MAGNETIC TWEEZERS #3C, 4-3/4" PROFESSIONAL FINE TIP, 45-50 HRC
Length: 4-3/4" • Stainless Steel • 100% Non-Magnetic Tip • 45-50 HRC •
Blister Card

63-6007

4-1/2" PROFESSIONAL #5C FINE TIP TWEEZERS
• Hardness: 40-45 HRC • Super Fine Point • Straight #5 Tip • Length: 4-1/2" •
Thickness: 2.0mm • Professional Quality • Non- Magnetic Stainless Steel •
Anti-Acid and Rust Resistant • Great for Jewelers, Watch Makers,
Electronics, Lab Technicians Etc • Blister Card

63-6008

#7A, 4-1/2" NON MAGNETIC TWEEZERS, PROFESSIONAL, FINE CURVED TIP, HARDNESS: 40-45 HRC
• Hardness: 40-45 HRC • Super Fine Point • Curved #7 Tip • Length: 4-1/2" •
Thickness: 2.0mm • Professional Quality • Non- Magnetic Stainless Steel •
Anti-Acid and Rust Resistant • Great for Jewelers, Watch Makers,
Electronics, Lab Technicians Etc • Blister Card Blister Card

63-6009

#AA, 5" NON MAGNETIC TWEEZERS, PROFESSIONAL, FINE TIP, HARDNESS: 40-45 HRC
• Length: 5" • Stainless Steel • 100% Non-Magnetic Tip • 45-50 HRC • Anti-
Acid and Rust Resistant • Great for Jewelers, Watch Makers, Electronics, Lab
Technicians Etc • Blister Card

63-6010

The ArchiTech Premium line is very well engineered... to sound great, be dependable and to deliver great value for the dollar. It has been engineered with high quality materials and careful design:

The long-throw woofer is made with a polypropylene cone and butyl rubber surround, (not a cheap foam surround), enabling it to create substantial low bass yet remarkably durable (lifetime warranty).

The tweeter is a 3/4" polycarbonate hybrid dome that is clean and accurate and pivots for best dispersion into the room. The crossover is technically a 2nd and 3rd order electro-acoustic crossover. This ensures the tweeter and woofer are well-controlled and deliver broad, smooth frequency throughout the room.

SC-602E
6-1/2" 2-way In-Ceiling Loudspeaker

FEATURES
• Poly woofers with butyl rubber surrounds
• Proven Mounting System
• Frame and Grilles may be painted to match mounting surface
• Sold and shipped in pairs (BULK PACK)
• Overall Dimension: 8 3/8"
• Cut-out Dimensions: 7 3/8" X 27/8" deep

SPECIFICATIONS
Loudspeaker Frequency Response:	45Hz - 20kHz ± 3 dB
Power Handling:	40 watts nom. 80 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	3/4" pivoting dome tweeter
Perforated Metal Grille:	MGR-6
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIR-6
Vapor Dome / Pre-Con Bracket:	VPD-6
Bridge for T-Bar Ceiling:	PB-6
Plenum Dome:	PE-8

SC-602F
6-1/2" 2-way In-Ceiling / Wall Loudspeaker

FEATURES
• Frameless Grille
• Poly woofers with butyl rubber surrounds
• Proven Mounting System
• Frame and Grilles may be painted to match mounting surface
• Sold and shipped in pairs
• Overall Dimension: 8-7/16" R
• Cut-out Dimensions: 7-1/4" R x 3 5/16" deep

SPECIFICATIONS
Frequency Response:	45Hz - 20kHz ± 3 dB
Power Handling:	40 watts nom. 80 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	3/4" pivoting dome tweeter
Frameless Grille:	Magnetically Attached - Perforated Frameless Metal Grilles Round and Square option
Round Model:	MGR-6f Square
Model:	MGS-6f
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIR-6
Vapor Dome / Pre-Con Bracket:	VPD-6
Bridge for T-Bar Ceiling:	PB-6
Plenum Dome:	PE-8

SC-802F
8" 2-way In-Ceiling / Wall Loudspeaker FRAMELESS

FEATURES
• Frameless Grille
• Poly woofers with butyl rubber surrounds
• Proven Mounting System
• Frame and Grilles may be painted to match mounting surface
• Sold and shipped in pairs
Overall Dimensions: 9-7/8" Round
Cut-out Dimensions: 8-5/8" Rd x 3-7/8" dp

SPECIFICATIONS
Frequency Response:	35Hz - 20kHz ± 3 dB
Power Handling:	50 watts nom. 100 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	3/4" pivoting dome tweeter
Frameless Grille:	Magnetically Attached - Perforated Frameless Metal Grilles Round and Square option Round: MGR-8f Square: MGS-8f
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIR-8
Vapor Dome / Pre-Con Bracket:	VPD-8
Bridge for T-Bar Ceiling:	PB-8
Plenum Dome:	PE-8

SC-62
6-1/2" 2-way In-Ceiling Loudspeaker

FEATURES
• Poly woofers with butyl rubber surrounds
• Proven Mounting System
• Frame and Grilles may be painted to match mounting surface
• Sold and shipped in pairs (BULK PACK)
• Overall Dimension: 8 3/8"
• Cut-out Dimensions: 7 3/8" X 27/8" deep

SPECIFICATIONS
Loudspeaker Frequency Response:	45Hz - 20kHz ± 3 dB
Power Handling:	40 watts nom. 80 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	3/4" pivoting dome tweeter
Perforated Metal Grille:	MGR-6
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIR-6
Vapor Dome / Pre-Con Bracket:	VPD-6
Bridge for T-Bar Ceiling:	PB-6
Plenum Dome:	PE-8

SE-791E
6-1/2" 2-way In-Wall Loudspeaker

FEATURES
• Poly woofers with butyl rubber surrounds
• Proven Mounting System
• Frame and Grilles may be painted to match mounting surface
• Sold and shipped in pairs (BULK PACK)
• Overall Dimension: 8-5/8" W x 12-1/8" H
• Cut-out Dimen.: 7-3/8" W x 10-7/8" H x 3-1/8" D

SPECIFICATIONS
Loudspeaker Frequency Response:	45Hz - 20kHz ± 3 dB
Power Handling:	40 watts nom. 80 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	3/4" pivoting dome tweeter
Perforated Metal Grille:	MGR-6
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIR-6
Vapor Dome / Pre-Con Bracket:	VPD-6
Bridge for T-Bar Ceiling:	PB-6
Plenum Dome:	PE-8

SE-891E
8" 2-way In-Wall Loudspeaker

FEATURES
- Poly woofers with butyl rubber surrounds
- Industry Leading Superior Clamp-Ring Mounting System
- IR knockout
- Poly-switch overdrive protection
- 12 dB/octave crossover
- Frame and Grilles may be painted to match mounting surface
- Sold and shipped in pairs

Overall Dimensions:	10-1/2" W x 14-1/2" D
Cut-out Dimensions:	9" W x 13" H x 2-15/16" D

SPECIFICATIONS

Frequency Response:	35Hz - 20kHz ± 3 dB
Power Handling:	50 watts nom. 100 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	1" pivoting textile dome tweeter
Perforated Metal Grille:	MG-89F
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIB-82
Vapor Dome:	VPD-82

SE-80SWF
8" In-Wall / Ceiling Subwoofer
Frameless

FEATURES
- Frameless Grille
- Frameless Grille finished look is identical to our 8" frameless series speakers
- Poly woofers with butyl rubber surrounds
- Proven Mounting System
- Grilles - Paint to match mounting surface
- Sold and shipped individually
- Overall Dim.: 9-7/8" diam.
- Cut-out Dim. (deep): 8-5/8" diam. x 3-7/8"

SPECIFICATIONS

Frequency Response:	30Hz - 120Hz
Power Handling:	100 watts nom. 150 max.
Sensitivity:	85 dB 1 watt / 1 meter
Impedance:	4 ohms nominal
Frameless Grille:	Magnetically Attached - Perforated
Frameless Metal Grilles	
Round and Square option	
Round Model:	MGR-8f
Square Model:	MGS-8f
Pre-construction Bracket: RIR-8	
Vapor Dome / Pre-Con Bracket:	VPD-8
Bridge for T-Bar Ceiling:	PB-8
Plenum Dome:	PE-8

The Kevlar material used in the ArchiTech Kevlar series is an exceptional choice for high performance woofers. Its incredible strength enables low distortion music reproduction, while its lightness provides great detail and musicality. And it is amazingly durable for long life and environmental stability. Kevlar is 5 times as strong as steel of the same weight.

These unique properties have enabled Kevlar to become a favorite material for applications as varied as bullet-proof vests, automotive parts, ropes for the Mars Pathfinder mission - and for the ArchiTech Series - cones for superb woofers.

The ArchiTech Kevlar Series is an excellent choice for custom installation applications where high quality music reproduction is required and rugged construction is appreciated. The Lifetime Limited Warranty is one indication of just how robust this family of loudspeakers really is.

SC-620F
6.5" In-Wall / Ceiling Subwoofer
Frameless

FEATURES
- Frameless Grille
- 12 dB/octave crossover
- Proven Mounting System
- Frame and Grilles may be painted to match mounting surface
- Sold and shipped pairs
- Overall Dim.: 8-7/16" diam.
- Cut-out Dim. (deep): 7 1/4" diam. x 2-7/8"

SPECIFICATIONS

Frequency Response:	45Hz - 20Hz -± 3dB
Power Handling:	40 watts nom. 80 max.
Sensitivity:	91 dB 1 watt / 1 meter
Impedance:	8 ohms nominal
Frameless Grille:	Magnetically Attached - Perforated Frameless Metal Grilles
Round and Square option	
Round Model:	MGR-6f
Square Model:	MGS-6f
Pre-construction Bracket:	RIR-6
Vapor Dome / Pre-Con Bracket:	VPD-6
Bridge for T-Bar Ceiling:	PB-6
Plenum Dome:	PE-6

SC-820F
8" In-Wall / Ceiling Subwoofer
Frameless

FEATURES
- Frameless Grille
- 12 dB/octave crossover
- Proven Mounting System
- Frame and Grilles may be painted to match mounting surface
- Sold and shipped in pairs
- Overall Dimensions: 9-7/8" R
- Cut-out Dimensions: 8-5/8" R x 3-7/8" D

SPECIFICATIONS

Frequency Response:	35Hz - 20kHz ± 3 dB
Power Handling:	50 watts nom. 100 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	1" pivoting textile soft dome tweeter
Frameless Grille:	Magnetically Attached - Perforated Frameless Metal Grilles• Round option: MGR-8f Rectangular Optional: MGS-8f
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIR-8
Vapor Dome / Pre-Con Bracket:	VPD-8
Bridge for T-Bar Ceiling:	PB-8
Plenum Dome:	PE-8
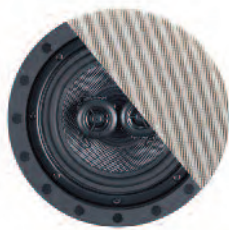
SC-622F
**6-1/2" 2-way Single Point Stereo
In-Ceiling / Wall
Frameless**

FEATURES
• Frameless Grille. Look is identical to
 our 8" frameless series speakers
• Poly woofers with butyl rubber surrounds
• Proven Mounting System
• Grilles - Paint to match mounting surface
• Sold and shipped individually
• Overall Dimensions: 8-7/16" R
• Cut-out Dimensions: 7-1/4" R x 3-5/16" D

SPECIFICATIONS
Frequency Response: 45Hz - 20kHz ± 3 dB
Power Handling: 40 watts nom. 80 max.
Sensitivity: 91dB 1 watt / 1 meter
Tweeter: Dual (L+R) 3/4" dome tweeters
Frameless Grille: Magnetically Attached - Perforated
                          Frameless Metal Grilles• Round option:
                          MGR-6f Rectangular Optional: MGS-6f
Impedance: 8 ohms nominal
Pre-construction Bracket: RIR-6
Vapor Dome / Pre-Con Bracket: VPD-6
Bridge for T-Bar Ceiling: PB-6
Plenum Dome: PE-8

SE-LCR-Sf
**Dual 5-1/4" 2-way In-Wall Loudspeaker
Frameless Center / All Channel - LCRS**

FEATURES
• Woven Kevlar® woofers with butyl rubber surrounds
• 12 dB/octave crossover
• Phase plug pole piece extensions
• IR Knockouts
• High temperature Polyimide voice coils
• Polyswitch overdrive protection
• Superior retro-ring mounting system
• Magnetic, frameless, micro-perforated, vibration-free grille

• Orient Vertically or Horizontally
• Sold and shipped individually
• Overall Dimensions: 9" W x 15-3/4" H
• Cut-out Dimensions: 7-7/8" W x 14-7/16" H x 3-1/2" D

SPECIFICATIONS
Frequency Response: 45Hz - 20kHz ± 3 dB
Power Handling: 50 watts nom. 100 max.
Sensitivity: 90dB 2.83V 1 watt / 1 meter
Tweeter: 1" pivoting textile soft dome tweeter
Frameless Grille: *Magnetically Attached, Micro-
                          Perforated* - MG-LCRSf
Impedance: 8 ohms nominal
Pre-construction Bracket: RIB-LCR

SE-790KE
6-1/2" 2-way In-Wall Loudspeaker

FEATURES
• Woven Kevlar® woofers with butyl rubber surrounds
• 12 dB/octave crossover
• Phase plug pole piece extensions
• IR Knockouts
• High temperature Polyimide voice coils
• Polyswitch overdrive protection
• Superior clamp-ring mounting system
• Magnetically Shielded
• Orient Vertically or Horizontally

• Frame/Grille Paint to match mounting surface
• Sold and shipped in pairs
• Overall Dimensions: 8-5/8" W x 12-1/8" H
• Cut-out Dimensions: 7-3/8" W x 10-7/8" H x 3-1/8" D

SPECIFICATIONS
Frequency Response: 45Hz - 20kHz ± 3 dB
Power Handling: 40 watts nom. 80 max.
Sensitivity: 91dB 1 watt / 1 meter
Tweeter: 1" pivoting textile soft dome tweeter
Perforated Metal Grille: MG-79F
Impedance: 8 ohms nominal
Pre-construction Bracket: RIB-7

SE-893KE
8" 3-way In-Wall Loudspeaker

FEATURES
• Woven Kevlar® woofers with butyl rubber surrounds
• 12 dB/octave crossover
• Phase plug pole piece extensions
• IR Knockouts
• High temperature Polyimide voice coils
• Polyswitch overdrive protection
• Superior clamp-ring mounting system
• Frame/Grille paint to match mounting surface
• Sold and shipped in pairs
Overall Dimensions: 10-1/2" W x 14-1/2" H

Cut-out Dimensions: 9" W x 13" H x 3-1/4" D
SPECIFICATIONS
Frequency Response: 35Hz - 20kHz ± 3 dB
Power Handling: 50 watts nom. 100 max.
Sensitivity: 91dB 1 watt / 1 meter
Tweeter: 1" pivoting textile soft dome tweeter
Frameless Grille: Magnetically Attached - Perforated
                          Frameless Metal Grilles• Round option:
                          MGR-8f Rectangular Option: MGS-8f
Impedance: 8 ohms nominal
Pre-construction Bracket: RIR-8
Vapor Dome / Pre-Con Bracket: VPD-8
Bridge for T-Bar Ceiling: PB-8
Plenum Dome: PE-8

Presence represents a new level of performance and value in In-Wall and Ceiling loudspeakers. Our signature Lifetime Limited Warranty ushers in these straight forward no-nonsense loudspeaker systems. Practical engineering and the best materials available are present throughout this comprehensive and well thought-out product line. The Presence line is known namely by it Kevlar woven fiber woofers with butyl rubber surrounds & ferro-fluid cooled silk dome tweeters. Midrange drivers, thick fiberglass crossover network PC boards populated with high-grade electronic components, over-drive tweeter protection, heavy gauge oxygen-free copper wiring and stout gold plated high tension connection terminals are other features of the Presence line.

A-606
6-1/2" 2-way In-Ceiling Loudspeaker

FEATURES
• Woven Kevlar® woofers with butyl rubber surrounds
• High temperature Polyimide voice coils
• High-grade crossovers
• Polyswitch overdrive protection
• Proven Mounting System
• Frame/Grille Paint to match mounting surface
• Sold and shipped in pairs
• Overall Dimensions: 8-3/8" R
• Cut-out Dimensions: 7-3/8" R x 2-7/8" D

SPECIFICATIONS

Frequency Response:	45Hz - 20kHz ± 3 dB
Power Handling:	50 watts nom. 100 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	1" Silk soft dome pivoting tweeter
Perforated Metal Grille:	MGR-6
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIR-6
Vapor Dome / Pre-Con Bracket:	VPD-5
Bridge for T-Bar Ceiling:	PB-6
Plenum Dome:	PE-8

A-808
8" 2-way In-Ceiling Loudspeaker

FEATURES
• Woven Kevlar® woofers with butyl rubber surrounds
• High temperature Polyimide voice coils
• High-grade crossovers
• Polyswitch overdrive protection
• Proven Mounting System
• Frame/Grille Paint to match mounting surface
• Sold and shipped in pairs
• Overall Dimensions: 9-3/4" R
• Cut-out Dimensions: 8-5/8" R x 3-3/8" D

SPECIFICATIONS

Frequency Response:	35Hz - 20kHz ± 3 dB
Power Handling:	60 watts nom. 120 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	1" Silk soft dome pivoting tweeter
Perforated Metal Grille:	MGR-8
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIR-8
Vapor Dome / Pre-Con Bracket:	VPD-8
Bridge for T-Bar Ceiling:	PB-6
Plenum Dome:	PE-8

A-SP6
6-1/2" 2-way Single Point Stereo In-Ceiling Loudspeaker

FEATURES
• Woven Kevlar® woofers with butyl rubber surrounds
• High temperature Polyimide voice coils
• High-grade crossovers
• Polyswitch overdrive protection
• Proven Mounting System
• Frame/Grille Paint to match mounting surface
• Sold and shipped in pairs
• Overall Dimensions: 8-3/8" R
• Cut-out Dimensions: 7-3/8" R x 2-7/8" D

SPECIFICATIONS

Frequency Response:	45Hz - 20kHz ± 3 dB
Power Handling:	50 watts nom. 100 max. both channels combined
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	Dual (left & right) 3/4" Silk soft dome tweeters
Perforated Metal Grille:	MGR-622
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIR-6
Vapor Dome / Pre-Con Bracket:	VPD-6
Bridge for T-Bar Ceiling:	PB-6
Plenum Dome:	PE-8

A-LCRS
Dual 5-1/4" 2-way In-Wall Loudspeaker
Center / All Channel - LCRS

FEATURES
• Woven Kevlar® woofers with butyl rubber surrounds
• High temperature Polyimide voice coils
• Phase plug pole piece extensions
• IR Knockouts
• High-grade crossovers
• Polyswitch overdrive protection
• Superior Clamp-ring Mounting System
• Magnetically Shielded

• Orient Vertically or Horizontally
• Frame/Grille Paint to match mounting surface
• Sold and shipped individually
• Overall Dimensions: 9" x 15-3/4"
• Cut-out Dimensions: 7-7/8" x 14-7/16" x 3-1/2" D

SPECIFICATIONS

Frequency Response:	45Hz - 20kHz ± 3 dB
Power Handling:	50 watts nom. 100 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	1" Silk soft dome pivoting tweeter
Perforated Metal Grille:	MG-LCR
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIB-LCR

A-650
6-1/2" 2-way In-Wall Loudspeaker

FEATURES
- Woven Kevlar® woofers with butyl rubber surrounds
- High temperature Polyimide voice coils
- Phase plug pole piece extensions
- IR Knockouts
- High-grade crossovers
- Polyswitch overdrive protection
- Superior Clamp-ring Mounting System
- Frame/Grille Paint to match mounting surface

- Sold and shipped in pairs
- Overall Dimensions: 9-1/16" W x 12-3/4" H
- Cut-out Dimensions: 8" W x 11-3/4" H x 3-1/4" D

SPECIFICATIONS
Frequency Response:	45Hz - 20kHz ± 3 dB
Power Handling:	50 watts nom. 100 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	1" Silk soft dome pivoting tweeter
Perforated Metal Grille:	MG-62
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIB-62

A-820
8" 2-way In-Wall Loudspeaker

FEATURES
- Woven Kevlar® woofers with butyl rubber surrounds
- High temperature Polyimide voice coils
- Phase plug pole piece extensions
- IR Knockouts
- High-grade crossovers
- Polyswitch overdrive protection
- Superior Clamp-ring Mounting System
- Frame/Grille Paint to match mounting surface

- Sold and shipped in pairs
- Overall Dimensions: 10-1/2" W x 14-1/2" H
- Cut-out Dimensions: 9" W x 13" H x 3-1/4" D

SPECIFICATIONS
Frequency Response:	35Hz - 20kHz ± 3 dB
Power Handling:	60 watts nom. 120 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	1" Silk soft dome pivoting tweeter
Perforated Metal Grille:	MG-89F
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIB-82
Vapor Dome:	VPD-82

A-8LCRS
8" 2-way 15 Degree Angled Loudspeaker

FEATURES
- Woven Kevlar® woofers with butyl rubber surrounds
- High temperature Polyimide voice coils
- High-grade crossovers
- Polyswitch overdrive protection
- Proven Mounting System
- Frame/Grille Paint to match mounting surface
- Sold and shipped individually

- Overall Dimensions: 12-7/8" R
- Cut-out Dimensions: 11-1/2" R x 5-3/4" D

SPECIFICATIONS
Frequency Response:	35Hz - 20kHz ± 3 dB
Power Handling:	60 watts nom. 120 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	1" Silk soft dome pivoting tweeters
Perforated Metal Grille:	MGR-815
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIR-815

ENDEAVOR OUTDOOR SPEAKERS

FEATURES
- Sealed, port-less design enclosure for bug and moisture prevention.
- The IO-505, 605 and 805 include Indoor / outdoor bass equalization
- Versatile mounting options: standard type "U" bracket, mounting bosses on rear for optional double swivel mounting brackets
- Suitable for use on book shelves with bracket-less finished look
- Rust proof Perforated Aluminum Grille; epoxy painted for long life in high humidity and salt/air environments. Cabinets, grilles and mounting brackets are paintable to match your decor.
- Available in White (W) or Black (B)
- Sold and shipped in pairs

Endeavor®   Limited LIFETIME Warranty

SPECIFICATIONS	IO-505	IO-605	IO- 805
Size/Type:	5-1/4" 2-way Kevlar	6-1/2" 2-way Kevlar	8" 2-way Kevlar
Frequency Response:	40Hz - 21kHz ± 3 dB	38Hz - 21kHz ± 3 dB	35Hz - 21kHz ± 3 dB
Power Handling:	50 watts nom. 100 max	60 watts nom. 120 max	70 watts nom. 140 max
Sensitivity:	87dB 1 watt / 1 meter	88dB 1 watt / 1 meter	89dB 1 watt / 1 meter
Tweeter:	1" Tetoron® soft dome pivoting	1" Tetoron® soft dome pivoting	1" Tetoron® soft dome pivoting
Impedance:	8 ohms nominal	8 ohms nominal	8 ohms nominal
Dimensions:	7-1/4" W x 10" H x 7-1/2" D	8-3/4" W x 11-3/8" H x 8-5/8" D	10-5/8" W x 13-3/4" H x -10-5/8" D
With Mounting Brackets:	Increase depth by 3/4"	Increase depth by 1"	Increase depth by 1 1/4"

IO-570

5-1/4" 2-way Cabinet Loudspeaker
70-100 Volt / 8 ohms

FEATURES
• 5-1/4" Poly woofer with butyl rubber surround & 5-1/4" 2-way acoustic suspension loudspeaker
• Sealed, port-less design enclosure for bug and moisture prevention.
• Baffle mounted 70-100 Volt tap selector switch with bypass setting for 8-ohm applications
• Versatile mounting options: standard type "U" bracket, mounting bosses on rear for optional double swivel mounting brackets
• Sold and shipped individually

Shown in White

• Rust proof Perforated Aluminum Grille which is epoxy painted for long life in high humidity and salt/air environments. Cabinets, grilles and mounting brackets are paintable to match your decor.
• Available in White (B) or Black (B)
• Overall Dimensions: 7-1/4" W x 10" H x 7-1/2" D
• With Mounting Bracket: Increases depth by 3/4"

SPECIFICATIONS
Frequency Response:	35Hz - 20kHz ± 3 dB
Power Handling:	60 watts nom. 120 max.
Sensitivity:	91dB 1 watt / 1 meter
Tweeter:	1" Silk soft dome pivoting tweeters
Perforated Metal Grille:	MGR-815
Impedance:	8 ohms nominal
Pre-construction Bracket:	RIR-815

SC-800f

8" In-Ceiling Commercial Loudspeaker
Frameless

FEATURES
• Quick spring post terminals
• No Soldering or crimping required
• Dog Ear Mounting
• Proven Mounting System
• Frame and Grilles may be painted to match mounting surface
• Sold and shipped individually
• Overall Dimensions: 9-7/8" R
• Cut-out Dimensions: 8-5/8" R x 3-5/16" D
• Transformer mounting dimensions: 2-3/16" hole spacing

SPECIFICATIONS
Frequency Response:	60Hz - 5kHz ± 3 dB / 45Hz - 15kHz + 3 /-6dB
Power Handling:	40 watts max.
Sensitivity:	92dB 2.83 V @ 1m
Tweeter: (none)	Dual Cone
Frameless Grille:	Magnetically Attached - Perforated Frameless Metal Grilles• Round and Square option: Round: MGR-8f Square: MGS-8f
Impedance:	8 ohms (70/100 V transformer available)
Pre-construction Bracket:	RIR-8
Vapor Dome / Pre-Con Bracket:	VPD-8
Bridge for T-Bar Ceiling:	PB-8
Plenum Dome:	PE-8

SC-800

8" In-Ceiling Commercial Loudspeaker

FEATURES
• Quick spring post terminals
• No Soldering or crimping required
• Dog Ear Mounting
• Proven Mounting System
• Frame and Grilles may be painted to match mounting surface
• Sold and shipped individually
• Overall Dimensions: 9-13/16" R
• Cut-out Dimensions: 8-5/8" R x 3" D
• Transformer mounting dimensions: 2-3/16" hole spacing

SPECIFICATIONS
Model Number:	SC-800 - 8" Commercial Loudspeaker
Frequency Response:	60Hz - 5kHz ± 3 dB / 45Hz - 15kHz + 3 /-6dB
Power Handling:	40 watts max.
Sensitivity:	92dB 2.83 V @ 1m
Tweeter: (none)	Dual Cone
Grille:	Perforated Metal Grille MODEL: MGR-8
Impedance:	8 ohms (70/100 V transformer available)
Pre-construction Bracket:	RIR-8
Vapor Dome / Pre-Con Bracket:	VPD-8
Bridge for T-Bar Ceiling:	PB-8
Plenum Dome:	PE-8

SS-8M

8" High Performance Outdoor Speakers
Landscape Loudspeakers

FEATURES
• Weatherproof Design
• Includes 3 meters of cable rated for in-ground burial (2 conductor SS-8M)
• Unit designed to be buried in-ground, approx. 8" above ground exposure
• 360 Degree Sound Field

SS-8M MONO VERSION
• 70 volt transformer included; mounted internally with wattage taps of 16, 8, 4, & 2 Watts, unit is shipped set at 8 Ohms

Available in Green or Desert Sand

• For commercial applications, 70 volt transformer setting is easily accessed with a screwdriver

SPECIFICATIONS
Model Numbers:	Green SS-8MG (Green) SS-8MS (Desert Sand)
Woofer:	8" Polycarbonate Woofer with butyl rubber surround
Frequency Response:	40Hz - 20kHz ± 3 dB
Power Handling:	50 watts nom. 100 watts max.
Sensitivity:	N/A
Grille:	Rust Proof Aluminum Grille keeps bugs out of driver cavity
Tweeter:	3/4" Dome Tweeter
Impedance:	8 ohms operation
Available Colors:	Green and Desert Sand

IW-100WV
Indoor Rotary Volume Control

FEATURES
- Autoformer w/ rotary 12 position switch
- Smooth transition between volume steps
- 12-tap, high-grade 100-watt autoformer
- Removable Input / Output terminal strip
- Decorator wallplate included
- Sold and shipped individually

SPECIFICATIONS
Frequency Response:	20-20 kHz +/- 0.5dB
Available Colors:	White, Ivory & Almond
Power Handling:	100 watts max
Impedance:	Optimized for 8 ohm speakers
Mounting Dimensions:	2-5/8" depth

IW-IMP100WV
Indoor Rotary Volume Control
Impedance Matching

FEATURES
- Impedance Matching Autoformer w/ Rotary 12 position switch
- 1X, 2X, 4X, 8X & 16X impedance multiplier
- Smooth transition between volume steps
- 12-tap, high-grade 100-watt autoformer
- Removable Input / Output terminal strip
- Decorator wallplate included
- Sold and shipped individually

SPECIFICATIONS
Frequency Response:	20-20 kHz +/- 0.5dB
Available Colors:	White, Ivory & Almond
Power Handling:	100 watts max
Impedance:	Optimized for 8 ohm speakers
Mounting Dimensions:	2-5/8" depth

SPEAKER SELECTORS – OEM SYSTEM

GENERAL FEATURES
- This device functions as a "Switching Station" to control all the speakers in a multi-room system from a central location.
- Barrier Termination Strip Construction provides positive wire terminations much superior to the "Quick Connect" type. This design is preferred by experienced installation experts over inferior quick connect types.
- Heavy Duty metal chassis and cases with high grade circuit boards.
- Individual on/off switches for each pair of speakers.
- Sold and shipped individually

SW-4SPKR
4-Speaker Selector with Amplifier Protection

SPECIFICATIONS
Available Colors:	Black
Switching:	4 pair/100W RMS per channel
Power Handling:	Rated at 100 Watts RMS per channel (When used with Impedance Matching Volume Controls)
Overall Dimensions:	8-1/2" W x 2" H x 5-1/4" D

SW-8SPKR
8-Speaker Selector with Amplifier Protection

SPECIFICATIONS
Available Colors:	Black
Switching:	8 pair/100W RMS per channel
Power Handling:	Rated at 100 Watts RMS per channel (When used with Impedance Matching Volume Controls)
Overall Dimensions:	8-1/2" W x 2" H x 5-1/4" D

BANANA PLUGS – OEM SYSTEM

IW-4PLUG40 & IW-4PLUG160
Gold Plated Banana Plugs Screw-On Plugs

FEATURES
- Heavy Duty Gold Plated Banana Plugs
- Solderless Compression Screw-on Type

DESCRIPTION
Set of four banana plugs for making one (1) four (4) conductor connection equivalent to one (1) stereo connection. Use the IW-4PLUG with IWM-BPG or IW-BG series in-wall jack plates.
Model IW-4PLUG: Sold with 2 Red/2 Black
IW-4PLUG40: Bag includes 20 black/20 red (total of 40 IW-4PLUG)
IW-4PLUG160: Master Pack with 80 black/80 red (total of 160 IW-4PLUGs).

IW-16PLUG
Gold Plated Banana Plugs Crimp-On Plugs

FEATURES
- Heavy Duty Gold Plated Banana Plugs
- Crimp-On/Solderless

DESCRIPTION
Set of 16 Crimp-on banana plugs. 8 Red & 8 Black. Use the IW-16PLUG with the IWM-BPG, IW-BPG or IW-BG series In-Wall Jack plates.

IW-16PLUG sold with: 8 Red & 8 Black
IW-16PLUG128 sold with: 64 Red & 64 Black totaling 128 Plugs

MR-1

Combination Speaker Locator & Single Gang Mounting Ring

DESCRIPTION

Box Buddy® low voltage mounting rings are designed for positioning low voltage devices next to 110 VAC electrical boxes with standard NEC spacing so that the combined 110 and low voltage device(s) may be covered with one multi-gang coverplate for an elegant appearance. The Box Buddy® uses a patent pending pull-off alignment tool that makes combined installation and alignment of 110 VAC and low voltage devices simple and quick. Box Buddy® low voltage mounting rings feature conduit flanges off-set by 5/8" which enable unobtrusive use of conduit connectors.

FEATURES

Combination Speaker Locator & Single Gang Mounting Ring
The MR-1 is a combination speaker locator - mud ring. It utilizes a unique group of features making it very useful & cost effective.

Sold and shipped individually

MR-CVR

Standard J-Box Cover - Round

DESCRIPTION

The MR-CVR is a round, aluminum coverplate that is sized exactly to fit a standard J-Box. Even the screw holes are properly aligned to mesh correctly with a standard J-Box. The white painted MR-CVR presents an aesthetically pleasing appearance, providing an attractive solution for covering an electrical box for a light or ceiling fixture.

FEATURES

• Standard J-Box Coverplate for MR-1
• Round Aluminum Coverplate
• Sized exactly to fit a standard J-Box
• Painted white

Sold and shipped individually
Also sold 12 to a subcarton or 96 to a case (master carton).

MP-8

In-Wall Media Panel

DESCRIPTION

The MP-8 In-Wall Media Panel adds flexibility and ease of installation to any media system job. Requiring only an 8" x 11 3/4" opening, the MP-8 mounts with just 4 screws using our 6-1/2" speaker frame and steel clamp ring (all included).

Sold and shipped individually

FEATURES

• 9mm Labeling System
• 378 Pre-Printed Labels
• Holds 8 Decora plates
• Steel Clamp-Ring Mounting System
• 5mm - Thick Powder-Coated, White Aluminum
• Overall Dimensions: 9-1/16" W x 12-3/4" H
• Cut-out Dimensions: 8" W x 11-3/4" H

ISF-147

"Pop-Up" Nylon Loudspeaker Cover

DESCRIPTION

Protect your loudspeakers with the Insu-Flate. The ISF-147 will protect in-ceiling loudspeakers against abrasive insulation fibers and dust particles that can get into the voice coil assemblies and disable your loudspeakers. This great "Pop-Up" nylon loudspeaker cover is a simple and cost effective solution that will significantly improve your installations over the "long haul".

FEATURES

• One size fits all
• Nylon loudspeaker cover shields speaker from insulation
• Individually packaged
• Diameter: 14"
• Height: 7"

RIR-SERIES

Pre-Construction Bracket Rough-In Kit

GENERAL FEATURES

• Metal straps span 24" on centers
• Remove plastic seal when speaker is installed
• Versatile and Inexpensive
• Sold and shipped in pairs

RIR-6 for all 6-1/2" in-ceiling models
• Mouth Opening: 7-1/2" Round
• Cut-out Dimensions: 6-1/2" Round x 2-3/8" deep

FITS LOUDSPEAKER MODELS
Preference: K-625, K-62
Presence: A-606, A-SP6
ArchiTech - Kevlar Series: SC-620f, SC-622 K
ArchiTech - Premium Series: SC-602f, SC-62

RIR-8 For all 8" In-Ceiling Models
Mouth Opening: 8-5/8" Round

FITS LOUDSPEAKER MODELS
Preference: K-825d, K-82
Presence: A-808, A-SP8
ArchiTech - Kevlar Series: SC-820f, SC-822f
ArchiTech - Premium Series: SC-802f
Subwoofers: SE-80SWf

RIR-615 for all 6-1/2" 15 Degree In-Ceiling Models
Mouth Opening: 9-1/4" round

FITS LOUDSPEAKER MODELS
Preference: K-6LCRS
Presence: A-6LCRS, PV-6LCRS

RIR-815 for all 8" 15 Degree In-Ceiling Models
Mouth Opening: 11-1/2" round

FITS LOUDSPEAKER MODELS
Preference: K-8LCRS
Presence: A-8LCRS, PV-8LCRS

RIB-SERIES

Pre-Construction Bracket Rough-In Kit

GENERAL FEATURES
• Metal straps span 16" on centers
• Versatile and Inexpensive
• Remove plastic seal when speaker is installed
• Mount Horizontally or Vertically
• Sold and shipped in pairs

RIB-7 for select 6-1/2" In-Wall Models
Mouth Opening: 7-3/8" W x 10-7/8"

FITS LOUDSPEAKER MODELS
ArchiTech - Kevlar Series: SE-790 KE

RIB-7

RIB-62, 82

ArchiTech - Premium Series: SE-791
OEM Models: AW-700

RIB-62 for select 6-1/2" In-Wall Models
Mouth Opening: 8" W x 11-3/4" H

FITS LOUDSPEAKER MODELS
Preference: K-602
Presence: A-650
In-Wall Media Panel: MP-8

RIB-82 for all 8" In-Wall Models
Mouth Opening: 9" W x 13" H

FITS LOUDSPEAKER MODELS
Preference: K-802
Presence: A-820, A-830

ArchiTech - Premium Series: SE-891E
ArchiTech - Kevlar Series: SE-893 KE

RIB-LCR for all Dual 5-1/4" In-Wall Models
Mouth Opening:7-7/8" W x 14-7/16" H

FITS LOUDSPEAKER MODELS
Preference: K-5LCR
Presence: A-LCRS, PV-LCRS
ArchiTech – Kevlar Series: SE-LCR KE

RIB-LCR

VPD-SERIES

Pre-Construction Bracket Rough-In Kit / Vapor Dome• Combination Rough-In Kit Vapor Dome / Back Box - 3 in 1 Device

GENERAL FEATURES
• Metal straps span 24" on centers
• Versatile and Inexpensive
• Remove plastic seal when speaker is installed
• Versatile and Inexpensive
• Dome / mounting flange slides along straps for positioning at any point between members
• Dome shields speaker from insulation
• Sold and shipped in pairs

VPD-6, 8

VPD-82

VPD-6 for all 6" In-Ceiling Models
Mouth Opening: 7-3/8" round
Mounting Depth: 7-1/4" deep
(works in 2 x 8 construction)

FITS LOUDSPEAKER MODELS
Preference: K-602, K-62
Presence: A-606, A-SP6
ArchiTech - Premium Series: SC-602f, SC-62
ArchiTech - Kevlar Series: SC-620f, SC-622 K

VPD-8 for all 8" In-Ceiling Models
Mouth Opening: 8-5/8" round
Mounting Depth: 7-3/4" deep
(works in 2 x 8 construction)

FITS LOUDSPEAKER MODELS
Preference: K-825d, K-82
Presence: A-808, A-SP8
ArchiTech – Kevlar Series: SC-820f, SC-822f
ArchiTech - Premium Series: SC-802f
Subwoofers: SE-80SWf

VPD-82 for all 8" In-Wall Models
Mouth Opening: 9" W x 13" H
Rectangular
Mounting Depth: 3-3/8" x 3-7/8"

FITS LOUDSPEAKER MODELS
Preference: K-802
Presence: A-820, A-830
ArchiTech - Kevlar Series: SE-893 KE
ArchiTech - Premium Series: SE-891E

PB-SERIES
T-Bar Bridge

Formed sheet metal T-bar bridge to reinforce T-bar drop ceilings for installation of all 6-1/2" and 8" round speakers with snap in PE-8 Plenum Dome (shown right) for Fire Rated applications.

PB-6 T-bar Bridge
Hole / Cut-Out Size: 7-5/8"

PB-8 T-bar Bridge
Hole / Cut-Out Size: 8-13/16"

PE-8
Plenum Dome

Steel Plenum Dome for Fire Rated applications. Includes EMT knock-outs for easy twist lock assembly when using with PB-6 & PB-8. Use with T-bar bridge in drop ceilings. Fits both the PB-6 and PB-8
Depth: 4-1/2"

Need more specifications on any of the
OEM System Products?
Contact us at (562) 926-5758 or
via email at sales@cesparts.com

MUSICAL INSTRUMENT SPEAKERS
• Treated accordion paper edges
• Vented magnets
• Poly-laminated cones

PART #	SIZE	WT.	V.C	RMS	IMP.	SPL	FS
GW1058	10"	50 oz.	2.5"	150W	8Ω	96 dB	46-3k
GW1258	12"	50 oz.	2.5"	150W	8Ω	96 dB	36-2.7k
GW1558	15"	50 oz.	2.5"	150W	8Ω	95 dB	39-2.5k

SH4050

H1020

SH-01
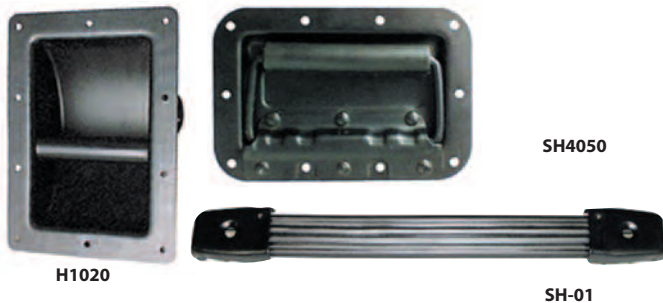
H1020 ENCLOSURE HANDLE
This large speaker enclosure handle is made of A.B.S. plastic in black. Approx. Dimensions: 8 5/8" x 6 3/4" x 2" deep, Fixing Hole: 3/16".

SH4050 ENCLOSURE HANDLE
This large speaker enclosure handle is made of H.D. metal in black finish. Approx. Dimensions: 6 3/8" x 4 1/4" x 1" deep, Fixing Hole: 3/16".

SH-01 STRAP HANDLE
Black rubber strap handle with black fittings. Great for handling any speaker enclosure. Easily mounted. 1" x 10".

METAL SPEAKER CABINET CORNERS

GC-304B

GC-304N

GC-303B

GC-303N

GC-304N
GC-304B
GC-303N
GC-303B

Designed to protect the corners of speaker cabinets, these nickel plated corners and "satin-black" finish corners are engineered with 3 legs and 3 holes for solid connection and protection.

STA-2

STA-4

RGT3000

RGT-5000

RDK-24

STA-5

STA-3

RGT4000

STA-2 SQUARE TERMINAL CUP
Square mounting plate with round cup insert. Molded-in terminals with lever actuators. Accepts up to 14 gauge wire. Overall size: 2 3/16" square. Mounts in a 1 7/8" dia. hole.

STA-4 TERMINAL CUP
Great vibration resistance. Leak proof, of 1-piece molded construction. 3 11/16" x 3 1/8". Fits 2 3/4" x 2 3/16" hole. Gold Plated banana jacks will accept Dual Banana Plugs.

RGT3000 RECTANGLE TERMINAL CUP
3 11/16" x 3 1/8" rectangle terminal. Gold plated posts and knobs. Fits into 2 3/4" x 2 3/16" cut-out holes.

STA-3 TERMINAL CUP
Round mounting plate with round cup insert. Molded-in terminals with lever actuators. Heavy duty coil springs. No screws required. Overall size: 2 3/16" dia. Mounts in a 1 7/8" hole.

RGT5000 ROUND TERMINAL CUP
3" round terminal cup. Constructed with high-quality plastic for use with heavy-duty speaker wire. Posts, inserts and knobs are gold plated. Fits into 1 15/16" cut-out holes.

RDK24 ROUND TERMINAL CUP
2 15/16" round terminal cup. Constructed with high-quality plastic for use with heavy-duty speaker wire. Fits 1 15/16" cut-out holes.

STA-5 ROUND TERMINAL CUP
Heavy duty Round Terminal Cup with red and black plastic 5-way binding post, gold plated terminals and inserts, 4 1/8" round fits 3 1/8" hole.

RGT4000 ROUND TERMINAL CUP
4 1/8" round terminal cup. Constructed with high-quality plastic for use with heavy-duty speaker wire. Knobs, inserts and posts are gold plated; fits 3 1/8" cut-out holes.

SPEAKER ACCESSORIES

PORT TUBES
Port tubes are designed to help direct the back wave of the speakers through the venting holes, achieving a true deep bass.

MODEL NO.	DIA. X HT.
PT-2G	2 1/4" X 2 3/8"
PT-3G	2 1/4" X 5"
PT-4G	2 3/4" X 4 5/8"
PT-5G	4" X 5"

C1536 LARGE DELUXE STACKING CORNER
Made of black plastic.

MODEL NO.	DIMENSIONS
C1536	4" x 4" x 3"

WAFFLE GRILLES
These steel grilles will enhance your speaker's looks and give them added protection against punctures. Available in black.
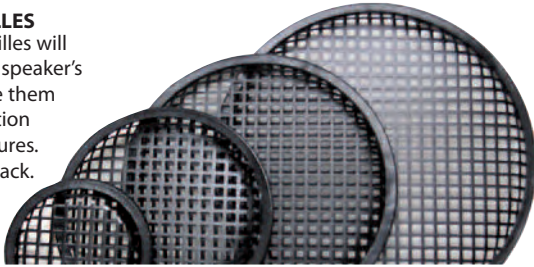
MODEL NO.	SIZE	MODEL NO.	SIZE
MTR-05	5"	MTR-12	12"
MTR-06	6"	MTR-15	15"
MTR-08	8"	MTR-18	18"
MTR-10	10"		

MOUNTING HARDWARE FOR MTR SERIES GRILLE
Black plastic clips used to hold MTR Series grilles in place. Hardware kit includes 4 clips, 4 screws and 4 nuts. Clips also sold separately.

MTR-001 (Kit)   MGH2 (Clips Only)

PR-269 PYRAMID 6" x 9" SPEAKER ENCLOSURES
Gift boxed. Carpeted, 6" x 9" Front loadable; fits hatch back under/behind seats with pre-wired terminal cups inserted.
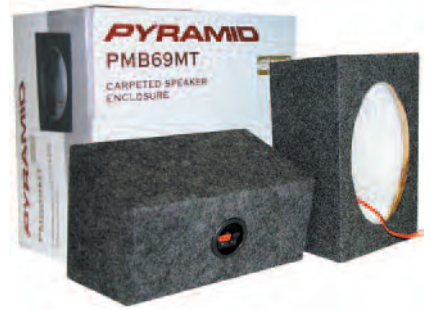
SOFT BAFFLES
XTC soft molded baffles are a great way to water-proof your door speakers, add extra bass, or air-seal your midranges in your speaker enclosure.

MODEL NO.	DESCRIPTION	DEPTH
VXT40	4" round	3 7/8"
VXT55	5 1/4" round	3 7/8"
VXT60	6 1/2" round	4 1/2"
VXT69	6" x 9" oval	4 1/2"
VXT80	8" round	4 1/2"
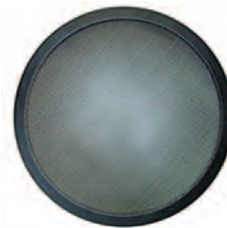
SPEAKER GRILLES
Black metal ring and metal grille. Low profile design, acoustically engineered.

MODEL NO.	SIZE	MODEL NO.	SIZE
MGR-45	4 1/2"	MGR-80	8"
MGR-525	5 1/4"	MGR-10	10"
MGR-6050	6 1/2"	MGR-12	12"

GT302S

GT310S

GT324

GT25

OEM TWEETERS
• 8 ohms only

PART #	SIZE	WT.	V.C.	Fs	SPL	RMS	MAX
GT302S	2 3/8"	1 oz.	.5"	4k-19k	92dB	25ZW	280W
GT310S	3 1/4"	4 oz.	1"	20-4kHz	92dB	40W	290W
GT324	3 5/8"	8 oz.	1"	25-3.5kHz	Da	60W	300W
GT25	3 1/2"	3 oz.	9/16"	21-1.5kHz	Da	40W	300W

GW2044S, 8S

GW2054S, 8S

GW2104, 08

GW2064, 68 GW2084, 88

GW2124, 28
GW2154, 58

POLY LAMINATED WOOFERS
• Foam surround • Vented magnets

PART #	SIZE	WT.	V.C	RMS	IMP.	SPL	FS
GW2044S†	4"	11 oz.	1"	40W	4Ω	83 dB	70-10k
GW2048S†	4"	11 oz.	1"	40W	8Ω	83 dB	70-10k
GW2054S†	5.25"	14 oz.	1"	70W	4Ω	84 dB	62-9k
GW2058S†	5.25"	14 oz.	1"	70W	8Ω	84 dB	62-9k
GW2064	6.5"	20 oz.	1.5"	90W	4Ω	88 dB	56-8k
GW2068	6.5"	20 oz.	1.5"	90W	8Ω	88 dB	56-8k
GW2084	8"	20 oz.	1.5"	100W	4Ω	87 dB	45-6k
GW2088	8"	20 oz.	1.5"	100W	8Ω	87 dB	45-6k
GW2104	10"	20 oz.	1.5"	110W	4Ω	90 dB	40-5k
GW2108	10"	20 oz.	1.5"	110W	8Ω	90 dB	40-5k
GW2124	12"	20 oz.	1.5"	120W	4Ω	88 dB	34-2k
GW2128	12"	20 oz.	1.5"	120W	8Ω	88 dB	34-2k
GW-2154	15"	20 oz.	1.5"	130W	4Ω	85 dB	26-2k
GW-2158	15"	20 oz.	1.5"	130W	8Ω	85 dB	26-2k

GM654/8

GM854/8

GM35

MIDRANGES
• GM65 and Series and GM35: Foam/Paper • GM85 Series: Foam/Polymer

PART #	SIZE	WT.	V.C	RMS	IMP.	SPL	FS
GM654	5.25"	10 oz.	.75"	50W	4Ω	92 dB	550-15k
GM658	5.25"	10 oz.	.75"	50W	8Ω	92 dB	550-15k
GM854	5.25"	12 oz.	1"	60W	4Ω	96 dB	550-15k
GM858	5.25"	12 oz.	1"	60W	8Ω	96 dB	550-15k
GM35	5.25"	3 oz.	.75"	135W	8Ω	97 dB	550-15k

DELMAR WOOFERS
• Rubber surround • Poly-mica cone
• Bumper plate • Vented Pole Piece
• Die-cast aluminum frame • 8 ohm

PART #	SIZE	WT.	V.C	RMS	IMP.	SPL	FS
GW/8PC/8	8"	30 oz.	1.5"	165W	8Ω	91 dB	55hz
GW/10PC/8	10"	40 oz.	1.5"	200W	8Ω	93 dB	48hz
GW/12PC/8	12"	50 oz.	2"	225W	8Ω	93 dB	33hz

BUTYL SURROUNDS
• Hi-temp voice coils • Vented magnets •
Poly-mica cones

PART #	SIZE	WT.	V.C	RMS	IMP.	SPL	FS
GW6024	6.5"	20 oz.	1.5"	90W	4Ω	85 dB	35-8k
GW6028	6.5"	20 oz.	1.5"	90W	8Ω	85 dB	35-8k
GW8024	8"	20 oz.	1.5"	100W	4Ω	84 dB	28-8k
GW8028	8"	20 oz.	1.5"	100W	8Ω	84 dB	28-8k
GW1034	10"	30 oz.	1.5"	130W	4Ω	86 dB	22-7k
GW1038	10"	30 oz.	1.5"	130W	8Ω	86 dB	22-7k
GW1244	12"	40 oz.	2"	150W	4Ω	87 dB	18-5k
GW1248	12"	40 oz.	2"	150W	8Ω	87 dB	18-5k

PYLE Wave

PLX32

PLX42

PLX4102

PLX52

PLX62

PYLE SLIMLINE SPEAKERS

• All ferrofluid cooled voice coils • Grilles, hardware and wire included with all models except PLX 32

DESCRIPTION	PLX32	PLX42	PLX62
SIZE	3.5"	4"	6.5"
RMS	40	50	75
DOME TYPE	1" Mylar	1" Mylar	1" Mylar
OHMS	4	4	4
FREQUENCY RESPONSE	65-20kHz	65-20kHz	50-20kHz
2 WAY/3 WAY	2 Way	2 Way	2 Way
VOICE COIL	3/4"	1"	1"
CROSSOVER	Yes	Yes	Yes

PLWT4

PLWT3

PYLE PLUS TWEETERS
• Includes crossovers

DESCRIPTION	PLWT4	PLWT3
SIZE	Mini	Mini Surf. Mnt.
RMS	100	60
DOME TYPE	Piezo	Mylar
MAGNET	NA	Neodymium
OHMS	NA	4
FREQUENCY RESPONSE	3k-30kHz	3k-24kHz
SPL@1W/1M	87dB	100dB
MOUNT	Surf. Flush Angle	Surf. Pivot Mnt.

PYLE WATER RESISTANT SPEAKERS
• Water resistant design
• Polypropylene cones

PART #	SIZE	WT.	V.C	RMS	IMP.	SPL	FS
PLMRW10	10"	60 oz.	1.5"	200W	4Ω	93 dB	25 -2.5kHz
PLMRW12	12"	40 oz.	2"	600W	4Ω	94 dB	20 -2.5kHz

PYLE IN-CEILING SPEAKERS
• Built-in electronic crossover network
• Vented design for deep base response
• PDIC60: 9"H x 9"W x 2.75"D
• PDIC80: 10.75"H x 10.75"W x 3.5"D
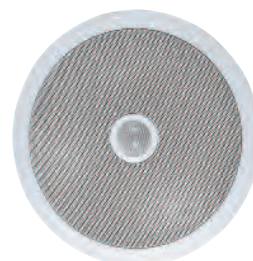
PART #	SIZE	TWEETER.	V.C	PEAK	IMP.	FS
PDIC60	6.5"	1" Titanium	1"	250W	4-8Ω	65 -22Hz
PDIC80	8"	1" Titanium	1.5"	300W	4-8Ω	55-22Hz

PYLE IN-WALL SPEAKERS
• Built-in electronic crossover network
• ± 3dB variable boost
• PDIW52:11.25"H x 7.625"W x 2.75"D
• PDIW62:12.5"H x 8.75"W x 2.875"D
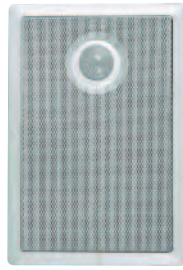
PART #	SIZE	TWEETER.	WOOFER	V.C	PEAK	IMP.	FS
PDIW52	5.25"	1" Titanium	5.25"	1"	200W	4-8ø	70 -22Hz
PDIW62	6.5"	1" Titanium	6.5"	1"	250W	4-8ø	65-22Hz

PYLE INDOOR/OUTDOOR SPEAKERS
• PDWR53:11.25"H x 7.625"W x 2.75"D
• PDWR63:12.5"H x 8.75"W x 2.875"D

PART #	SIZE	SPL	PEAK	IMP.	FS
PDWR53	5.25"	88dB	250W	8ø	85 -20Hz
PDWR63	6.5"	94dB	350W	8ø	50-20Hz

PLMR62

PLMR52

PLMR692

PYLE 2-WAY WATER RESISTANT SPEAKERS
• 2-Way water resistant design
• 1/2" Neodymium dome tweeter
• Poly-carbon cones

PART #	SIZE	V.C	RMS	IMP.	SPL	FS
PLMR52	5.2"	1"	70W	4Ω	88 dB	100Hz-20Khz
PLMR62	6.5"	1"	75W	4Ω	90 dB	85Hz-20Khz
PLMR692	6" X 9"	1.25"	125W	4Ω	92 dB	55Hz-20Khz

1016i

Z1025i

1005i

Z1056i
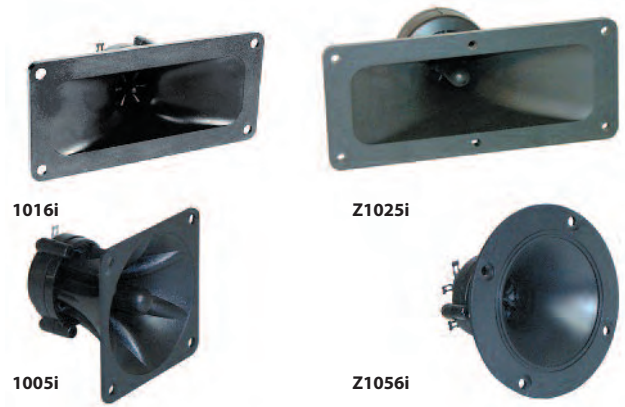
CTS/MOTOROLA STYLE IMPORT PIEZO HORN TWEETERS
Quality PIEZO CERAMIC speakers made of high temperature black plastic. Piezo tweeters require no voice coils or crossovers delivering cleaner response, high output levels, excellent transient response, high impedance, low harmonic distortion and long term stability.

PART #	SIZE	CAPACITY	SPL	FS
1005i	33/8" sq. flush mount	60W@5kHz	96 dB	3.5kHz/30kHz
1016i	2" X 5"	60W@5kHz	96 dB	3.5kHz/30kHz
Z1025i	3" X 7"	80W@5kHz	97 dB	2.5kHz/35kHz
Z1056i	33/4" round	60W@5kHz	96 dB	3.5kHz/30kHz

GT300PB

GT400PB

GT400CD

GM500PB

GM600PB

GM500CD

DIRECTIVITY HORNS
• Lenses are molded ABS plastic • Standard 1.375" X 18 TPI
• Compatible with GT400CD & GT500CD drivers
• Drivers have Standard 1.375" X 18 TPI throat

PART #	SIZE	TYPE	CAP. MAX	SPL	FS
GT300PB	6.125" X 7.688"	Lens	–	–	–
GT400PB	4.375" X 10.438"	Lens	–	–	–
GM500PB	6.93" X 13.875"	Lens/Metal Insert	–	–	–
GM600PB	4.5" X 12"	Lens	–	–	–
GT400CD	1.375" Throat	Driver/ceramic	100W	92 dB	1.8kHz/30kHz
GM500CD	1.375" Throat	Driver/1.5 V.C.	80W	99 dB	600Hz/31kHz

ICBM-PA08BT

8" 2-Way Speaker Box, AC/Battery Powered, Built-in Amplifier, USB/SD Card Slot, FM Radio, Recording, and Bluetooth

• Unidirectional Dynamic Microphone included
• USB/SD/MP3/WMA Player
• FM Radio
• Recording

• Built-in Bluetooth
• Equalizer
• Metal Grill Covered Speakers
• Woofer: 8", 30 oz
• Tweeter: 25MM Titanium Diap Driver
• Approx. RMS: 100W
• Professional XLR line and 1/4"
• Inputs: 1 x 1/4" TRS Microphone connector RCA in 8Ah Rechargeable Battery
• Powered by: AC 120V/240V or Rechargeable Battery

ICBM-PA12BT

12" 2-Way Speaker Box with built in Amplifier, USB/SD Slot, FM Radio, Recording, 5 Band EQ, and Bluetooth

• Unidirectional Dynamic Microphone
• USB/SD/MP3/WMA Player
• FM Radio
• Recording
• Built-in Bluetooth
• Treble/Bass EQ
• Metal Grill Covered Speakers
• Woofer: 12", 40 oz, 2" voice coil
• Tweeter: 10 oz, 25mm Titanium Diap

Driver
• Approx. RMS: 175W
• Professional XLR line and 1/4" connector
• Remote Control
• Mic/Instrument inputs, with loop through
• Inputs: 1 XLR3 Microphone connectors, 1 x 1/4" TRS Microphone connector RCA in
• Output: XLR3 speakON connector
• AC: 120V/240V
• Handle bars and wheels
• Cabinets can be stand-mounted but do require a large tri-pod type stand

ICBM-CHARGE/15

15" WOOFER, 2 Way Speaker Box, with Rechargeable Battery, Built-in Amplifier USB/SD Slot, FM Radio, EQ, and BLUETOOTH

• Wireless Microphone Included
• USB/SD/MP3/WMA Player
• FM Radio
• Bluetooth
• 5 Band/EQ
• 12 AH Rechargeable battery
• Metal Grill Covered Speakers
• Woofer: 15", 45 oz, 2.5" voice coil
• Tweeter: 20 oz, 44mm, Titanium Diap

Driver
• Professional XLR line in and out $\frac{1}{4}$" Mic/Instrument inputs, with loop through
• Inputs: XLR3 microphone connectors, $\frac{1}{4}$" TRS microphone connector RCA AUX in
• Output: 1 x $\frac{1}{4}$" TRS Speaker out
• AC: 120V/240V
• Handle bars and wheels
• Cabinets can be stand-mounted but require a large footprint tri-pod type stand
• Color: Black

65W X 2

45W X 2

1070mm
675mm
85mm
85mm

12V Portable - Foldable Solar Panel Charging Systems

The Greenergy-Technology SLPF Series of portable solar chargers is in its third generation. Originally designed for humanitarian efforts in Africa these products are widely used in a wide range of applications including; …RV, camping, boating, hunting, disaster recovery and military.

Kit comes with:

Carry Case. For safe transportation and storage these kits come with an aluminum case.

Telescopic Adjustable Legs. Easily adjusted allowing for maximum power generation based on location and time of day.

Smart PWM Controller. Safely regulates battery charging. LED display indicates state of charge and a toggle switch allows for lead-acid and gel battery charging.

Battery Clamp and Ring Terminal.

Carry Handle and Locking Fasteners. For easy handling and fasteners lock the panel shut while in transit.

SLP-090-12S 90W/12V Charging Kit (35 or 50mm frame available)
SLP-130-12S 130W/12V Charging Kit (35 or 50mm frame available)

10W

40W

12V Solar Trickle Charger Kits

Ideal for many outdoor applications such as Camping, Hunting, Fishing, Boating, Caravanning, RV, and more!

Kit includes:
• Multicrystalline solar panel
• Blocking diode in junction box
• Battery clamps and leads

SLCK-010-12 10W/12V, 302mm X 357mm X 30mm
SLCK-040-12 40W/12V, 27" X 22" X 1.5"

ces☀solar
Energy for the next generation

- *Heavy-duty anodized Aluminum frame*
- *Service life of more than 25 years*
- *Water resistant*
- *Multicrystalline cells*
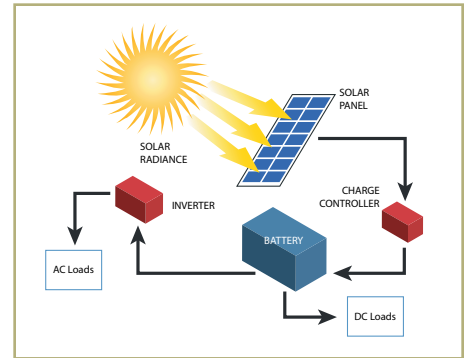
A heavy-duty anodized aluminum frame provides strength and convenient mounting access. Cells are laminated between high transmissivity, low-iron, 3mm tempered glass, tedlar-polyester-tedlar (TPT) material by two sheets of ethylene vinyl acetate (EVA). This protects against moisture penetrating into the module.

5W SOLAR PANEL
Output Power (peak): 5W
Max Power Voltage (Vmp): 17.6v
Max Power Current (Imp): 0.278A
Open Circuit Voltage (Voc): 21.6v
Short Circuit Current (ISC): 0.306A
Working Temperature: -45C to +85C
Tolerance: +/- 5%
Size: 265x220x18mm
Recommended Controller: 12V-3A

SCP5W12V

10W SOLAR PANEL
Output Power (peak): 10W
Max Power Voltage (Vmp): 17.6v
Max Power Current (Imp): 0.57A
Open Circuit Voltage (Voc): 21.6v
Short Circuit Current (ISC): 0.61A
Working Temperature: -45C to +85C
Tolerance: +/- 5%
Size: 356x301x28mm
Recommended Controller: 12V-3A

SCP10W12V

20W SOLAR PANEL
Output Power (peak): 20W
Max Power Voltage (Vmp): 17.6v
Max Power Current (Imp): 1.14A
Open Circuit Voltage (Voc): 21.6v
Short Circuit Current (ISC): 1.23A
Working Temperature: -45C to +85C
Tolerance: +/- 5%
Size: 530x340x28mm
Recommended Controller: 12V-5A

SCP20W12V

30W SOLAR PANEL
Output Power (peak): 30W
Max Power Voltage (Vmp): 17.6v
Max Power Current (Imp): 1.7A
Open Circuit Voltage (Voc): 21.6v
Short Circuit Current (ISC): 1.84A
Working Temperature: -45C to +85C
Tolerance: +/- 5%
Size: 800x375x32mm
Recommended Controller: 12V-10A

SCP30W12V

55W SOLAR PANEL
Output Power (peak): 55W
Max Power Voltage (Vmp): 17.6v
Max Power Current (Imp): 2.84A
Open Circuit Voltage (Voc): 21.6v
Short Circuit Current (ISC): 3.07A
Working Temperature: -45C to +85C
Tolerance: +/- 5%
Size: 648x673x45mm
Recommended Controller: 12V-10A

SCP55W12V

85W SOLAR PANEL
Output Power (peak): 85W
Max Power Voltage (Vmp): 17.2v
Max Power Current (Imp): 4.675A
Open Circuit Voltage (Voc): 21.6v
Short Circuit Current (ISC): 5.17A
Working Temperature: -45C to +85C
Tolerance: +/- 5%
Size: 940x675x30mm
Recommended Controller:

SCP85W12V

100W SOLAR PANEL
Output Power (peak): 100W
Max Power Voltage (Vmp): 17.2v
Max Power Current (Imp): 5.81A
Open Circuit Voltage (Voc): 21.6v
Short Circuit Current (ISC): 6.46A
Working Temperature: -45C to +85C
Tolerance: +/- 5%
Size: 1150x675x30mm
Recommended Controller:

SCP100W12V

120W SOLAR PANEL
Output Power (peak): 120W
Max Power Voltage (Vmp): 17.2v
Max Power Current (Imp): 7.56A
Open Circuit Voltage (Voc): 21.6v
Short Circuit Current (ISC): 8.36A
Working Temperature: -45C to +85C
Tolerance: +/- 5%
Size: 1500x675x35mm
Recommended Controller:

SCP120W12V

140W SOLAR PANEL
Output Power (peak): 140W
Max Power Voltage (Vmp): 17.2v
Max Power Current (Imp): 7.56A
Open Circuit Voltage (Voc): 21.6v
Short Circuit Current (ISC): 8.36A
Working Temperature: -45C to +85C
Tolerance: +/- 5%
Size: 1500x675x30mm
Recommended Controller:

SCP140W12V

CMP-1210A, CMP-1220A

These solar charge controllers are especially designed utilizing industrial grade MCU SCM with high-performance, efficiency and excellent quality. The CMP-1210A & CMP-1220A are designed for home solar power systems as well as small solar power stations.
Available in 10A & 20A in 12/24V.

Specifications	CMP-1210A	CMP-1220A
Rated Voltage	12/24V	12/24V
Rated Current	10A	20A
Absorption Voltage	14.4V/28.8V ± 0.2 V (2 hrs)	
Float Voltage	13.8V/27.6V ± 0.2 V	
Low Voltage Disconnection	10.7V /21.4V ± 0.2 V	
Low Voltage Reconnection	12.6V /25.2V ± 0.2 V	
Over-Voltage Disconnection	15.5V /31 V	
Over-Voltage Reconnection	15.0V /30 V	
Loop Voltage Drop	<0.3 V	
Self-consumption	<15 m A	
Operating Temp	-10℃~ +55℃	
Size	168mm x 88mm x 34mm	

CMP-GP2024, CMP-GP3024

The GP series controller is an intelligent, multipurpose solar charge and discharge controller. User friendly LCD display shows system status at all times. This controller features various control parameters and can be set to meet the application requirements.
Available in 20A & 30A in 12/24V.

Specifications	CMP-GP2024	CMP-GP3024
Rated Voltage	12/24V	12/24V
Rated Current	20A	30A
Float Voltage	13.8V/27.6V	
Low Voltage Disconnection (LVD)	10.7V/21.4V	
Low Voltage Reconnection (LVR)	12.6V/25.2V	
Self-consumption	≤13mA	
Temp. Compensation	-4mV/Cell/℃ (Custom)	
Operating Temperature	-20℃~60℃	
Storage Temperature	-30℃~70℃	
Humidity Requirement	10%~90%, no condensation	
Size	88 mm x 160 mm x 37 mm	
Mounting Hole Spacing	64 mm x 150 mm ---º5	
Weight	230g	

CMP-MPPT2024

The most important feature of this controller is intelligent tracking input voltage from solar panel. This ensures the solar panel is always working at Maximum Power Point of V-A curve.
This MPPT controller can increase charging efficiency from solar panel by up to 30%.
Available in 20A in 12V & 24V

Specifications	CMP-MPPT2024
Solar panel input voltage	≤70V
MPPT Voltage Range	12V~70V (12V)
	24V~70V (24V)
Input Loads	1 load
Rated Voltage	12V/24V
Rated Charge Current	20A
Rated Discharge Current	20A
Self-consumption	≤15mA
Charging Mode	3-stage (Bulk/ Absorption/ Float)
Over Voltage Protection	16V / 32V
Float Voltage	13.8V / 27.6V
Absorbing Charging Voltage	14.4V / 28.8V
Low Voltage Protection(LVD)	11.5V / 23.0V
Low Voltage Reconnection(LVR)	12.6V / 25.2V
Temperature Compensation	-4mV / Cell / ℃
The Highest Efficiency	97%
Cooling Way	passive cooling
Made of Connection	port
Operating Temperature	-10℃~+50℃
Storage Temperature	-30℃~+80℃
Humidity Requirements	0~90%, no condensation
Dimension(L x W x H)	188 x 118.5 x 54.5 mm
Weight	0.8Kg

According to the voltage of the battery, controller will adjust the charging current and decided if to supply power to the loads.
1. Generally keeps the battery on full voltage condition
2. Prevents the battery from over-charging or discharging
3. Prevents the battery from supplying power to solar panels during nights

SS1203A   3AMP

SINGLE PANEL UNIVERSAL/POLE/WALL MOUNTING BRACKET KITS

ces solar
Energy for the next generation

The CSLB series mounting kits are designed for use with the CES SOLAR series solar panels, and can be easily adapted to work with most other brands of solar panels.
All kits include stainless steel hardware.
Each kit is designed for specific applications such as RV's, boats, small sheds, garages or any instance where an off grid solar panel is needed.
U-bolts and/or steel clamps are not included.

CSLB-0119 – Side of Pole/Wall Mount Bracket

Mounting Type	Side of Pole/Wall mount
Module type*	SCP05W12V
Number of modules	Mounts 1 panel
Setting Angle	Fixed
Wind Load	100km/Hr
Snow Load	1.1kN/m^2
Material	Aluminum
Lifetime	5 years

* U-Bolts not provided with this kit.
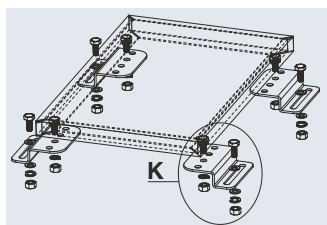
CSLB-0102 – Universal Flat Mount Bracket Kit

Mounting Type	Universal Mount
Module type*	Universal, works with most panel brands and types
Number of modules	Mounts 1 panel
Setting Angle	Fixed
Wind Load	100km/Hr
Snow Load	1.1kN/m^2
Material	Aluminum
Lifetime	20 years

* When using this kit with another brand of panel you may need to change the module bolts to suit the mounting holes on the panel.
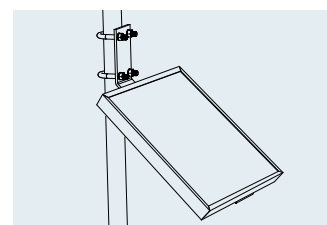
CSLB-0120 – Side of Pole/Wall Mount Bracket

Mounting Type	Side of Pole/Wall mount
Module type*	SCP10W12V, SCP15W12V, SCP20W12V
Number of modules	Mounts 1 panel
Setting Angle	Fixed
Wind Load	100km/Hr
Snow Load	1.1kN/m^2
Material	Aluminum
Lifetime	5 years

* U-Bolts not provided with this kit.

CSLB-0103 - Tilt Mount Bracket Kit

Mounting Type	Tilt
Module type*	SCP130W12V
Number of modules	Mounts 1 panel
Setting Angle	20º - 90º
Wind Load	100km/Hr
Snow Load	1.1kN/m^2
Material	Aluminum
Lifetime	1 year

* This kit may be used with another brand of panel with slight modification.
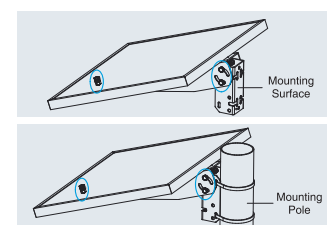
CSLB-0112 – Side of Pole/Wall Mount Bracket

Mounting Type	Side of Pole/Wall mount
Module type*	SCP10W12V, SCP15W12V, SCP20W12V, SCP30W12V
Number of modules	Mounts 1 panel
Setting Angle	20º - 90º
Wind Load	100km/Hr
Snow Load	1.1kN/m^2
Material	Aluminum
Lifetime	1 year

U-Bolts or steel clamps not provided with this kit.
* When using this kit with another brand of panel you may need to change the module bolts to suit the mounting holes on the panel.

CSLB-0113 – Side of Pole/Wall Mount Bracket

Mounting Type	Side of Pole/Wall mount
Module type*	SCP40W12V, SCP50W12V, SCP80W12V
Number of modules	Mounts 1 panel
Setting Angle	0º - 90º
Wind Load	100km/Hr
Snow Load	1.1kN/m²
Material	Aluminum
Lifetime	5 years

U-Bolts or steel clamps not provided with this kit.
* When using this kit with another brand of panel you may need to change the module bolts to suit the mounting holes on the panel.

CSLBRKT-02 – L-Style Panel Mount

Mounting Type	L-Style Mount
Module type*	SCP90W10V, SCP15W12V, SCP20W12V, SCP20W12V,
Number of modules	Mounts 1 panel
Setting Angle	0º - 90º
Wind Load	100km/Hr
Snow Load	1.1kN/m²
Material	Anodized Aluminum
Lifetime	5 years

U-Bolts or molly bolts are not provided with this kit.
* When using this kit with another brand of panel you may need to change the module bolts to suit the mounting holes on the panel.
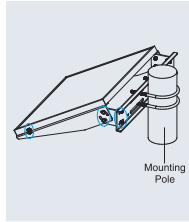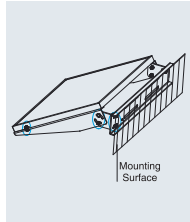
CSLB-0114 – Side of Pole/Wall Mount Bracket

Mounting Type	Side of Pole/Wall mount
Module type*	SCP90W12V, SCP90W12V, SCP100W12V, SCP120W12V, SCP130W12V
Number of modules	Mounts 1 panel
Setting Angle	0º - 90º
Wind Load	100km/Hr
Snow Load	1.1kN/m²
Material	Aluminum
Lifetime	5 years

U-Bolts or steel clamps are not provided with this kit.
* When using this kit with another brand of panel you may need to change the module bolts to suit the mounting holes on the panel.
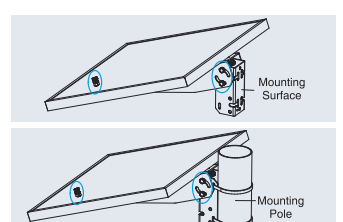
CSLBRKT-03 – Universal Flat & Pole Mount Kit

Mounting Type	Universal flat & pole mount
Module type*	Universal, works with most panel brands and types
Number of modules	Mounts 1 panel
Setting Angle	Fixed
Wind Load	100km/Hr
Snow Load	1.1kN/m²
Material	Aluminum
Lifetime	20 years

U-Bolts or steel clamps are not provided with this kit.
* When using this kit with another brand of panel you may need to change the module bolts to suit the mounting holes on the panel.

CSLBRKT-01 – Side of Pole/Wall Mount Bracket

Mounting Type	Side of Pole/Wall mount
Module type*	SCP05W12V
Number of modules	Mounts 1 panel
Setting Angle	Fixed
Wind Load	100km/Hr
Snow Load	1.1kN/m²
Material	Aluminum
Lifetime	5 years

U-Bolts or steel clamps are not provided with this kit.
* When using this kit with another brand of panel you may need to change the module bolts to suit the mounting holes on the panel.
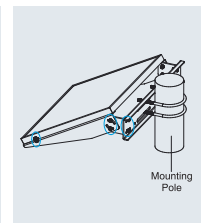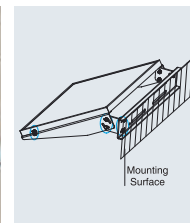
CSLBRKT-04 – Side of Pole/Wall Mount Bracket

Mounting Type	Side of Pole/Wall mount
Module type*	SCP50W12V, SCP80W12V
Number of modules	Mounts 1 panel
Setting Angle	0º - 90º
Wind Load	100km/Hr
Snow Load	1.1kN/m²
Material	Aluminum
Lifetime	20 year

U-Bolts or steel clamps are not provided with this kit.
* When using this kit with another brand of panel you may need to change the module bolts to suit the mounting holes on the panel.

ETRON CIRCUIT LABS

These kits are hands-on experiment labs to help you learn electronics. The Basics curriculum will introduce you to each electronic component such as resistors, transistors, SCRs, LEDs, capacitors, diodes, potentiometers, 555 timer IC, photocells, wires and more....learn how to connect different components together to build complete functional circuits.

SK ETC1L
ETRON CIRCUIT LABS KIT - THE BASICS

This lab is a hands-on experiment lab to help you learn electronics. You will make many electronic circuits and learn how 40 exciting labs work.
This kit includes everything needed to complete all 40 labs:
(1) Basics 88-Page Manual- ETCM1 • (1) Basics Parts Bag- ETCP1 • (1) Solderless circuit board- CB111 • (1) 9-volt battery- SK9VB
See manual (below) for labs in this series.
Recommended Controller: 12V-3A

SK ETCM1 ETRON CIRCUIT LABS 40 MANUAL

Basics 88-Page, Full-color manual with 40 labs.
LABS IN THIS SERIES
#1 - Basic Electronic Circuits • #2 - Resistor Color Codes • #3 - Solderless Circuit Board • #4 - Reading Capacitor Values • #5 - Intro to Resistors • #6 - Intro to Potentiometers • #7 - Intro to Photocells • #8 - Intro to Capacitors • #9 - Intro to Speakers • #10 - Intro to Diodes • #11 - Intro to SCRs • #12 - Intro to NPN Transistors • #13 - Intro to PNP Transistors • #14 - Transistor / Oscillator • #15 - 555 Integrated Circuit • #16 - Dual Burglar Alarm • #17 - Automatic Night Light • #18 - DC to DC Power Supply • #19 - Electronic Metronome • #20 - Electronic Motorcycle • #21 - Railroad Crossing Lights • #22 - Variable Speed Lights • #23 - Continuity Tester • #24 - Audio Generator • #25 - Police Siren • #26 - Screaming Box • #27 - Variable Timer • #28 - Moisture Detector • #29 - Morse Code Oscillator • #30 - Nose Beeper • #31 - British Siren • #32 - Insanity Alarm • #33 - Electronic Organ • #34 - Ohm's Law   #35 - Resistors in Series • #36 - Resistors in Parallel • #37 - Measuring Voltage • #38 - Watt's Law • #39 - Kirchhoff's Voltage Law • #40 - Kirchhoff's Current Law

SK ETCL
ETRON CIRCUIT LABS 14- THE BASICS LITE

The Basics Lite by Etron Circuit Labs features 14 of the most advanced Labs from The Basics curriculum.
The Basics Lite include the manual and all components necessary to complete all Basics Lite project:
(14) Resistors, (2) Disc Capacitors, (3) Electrolytic capacitors, (1) Potentiometer, (1) SCR, (2) Red LED, (1) Photocell, (1) 9-Volt Battery snap, (14) 4" Black wire, (1) Timer integrated circuit, (1) N/O Pushbutton switch, (1) Transistors, (1) Speaker, (1) 9-Volt battery, (1) Solderless circuit board
LABS IN THIS SERIES
#1 - Automatic Night Light • #2 - Electronic Metronome • #3 - Electronic Motorcycle • #4 - Variable Speed Lights • #5 - Audio Generator • #6 - Police Siren • #7 - Screaming Box • #8 - Variable Timer • #9 - Moisture Detector • #10 - Morse Code Oscillator • #11 - Nose Beeper • #12 - British Siren • #13 - Insanity Alarm • #14 - Electronic Organ

SK ETCM2
DIGITAL THEORY - MANUAL
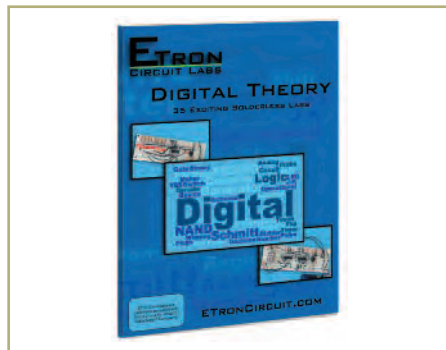
Digital Theory by Etron Circuit Labs is Electronic Education Curriculum designed for the 21st century student. Featuring 35 exciting Labs, Digital Theory picks up where The Basics leaves off teaching the necessary Digital Theory needed to be competitive in a technology based job market.

SK ETC2L
DIGITAL THEORY - COMPLETE LAB

Digital Theory by Etron Circuit Labs is Electronic

Education Curriculum designed for the 21st century student. Featuring 35 exciting Labs, Digital Theory picks up where The Basics leaves off teaching the necessary Digital Theory needed to be competitive in a technology based job market. Complete Lab includes Digital Theory manual (ETCM2), Digital Theory parts kit (ETCP2), Solderless Circuit Board (CB222) and 9-Volt Battery (SK9VB)

SUB-MINI TOGGLE SWITCH
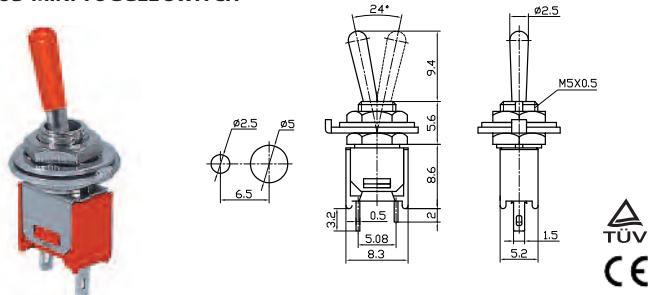
PART #	DESCRIPTION	RATING A	RATING B
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SUB-MINI TOGGLE SWITCH
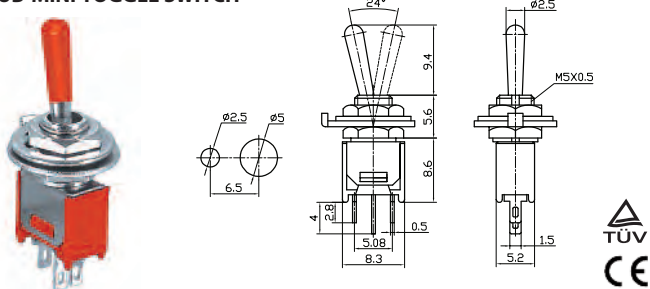
PART #	DESCRIPTION	RATING A	RATING B
66-1002	ON-ON/SPDT 3P	3 AMPS/125 VAC	1.0 AMPS/250 VAC
66-1003	ON-OFF-ON/SPDT 3P	3 AMPS/125 VAC	1.0 AMPS/250 VAC

SUB-MINI TOGGLE SWITCH
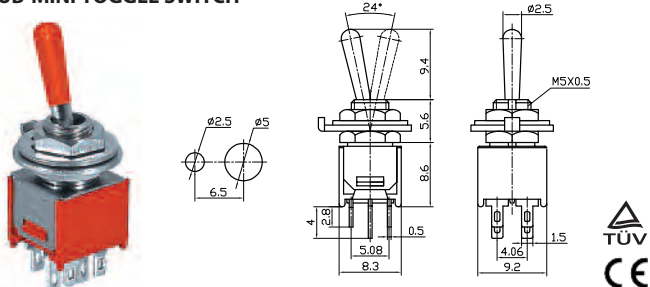
PART #	DESCRIPTION	RATING A	RATING B
66-1005	ON-ON/DPDT 6P	3 AMPS/125 VAC	1.0 AMPS/250 VAC
66-1006	ON-OFF-ON/DPDT 6P	3 AMPS/125 VAC	1.0 AMPS/250 VAC

MINI TOGGLE SWITCH
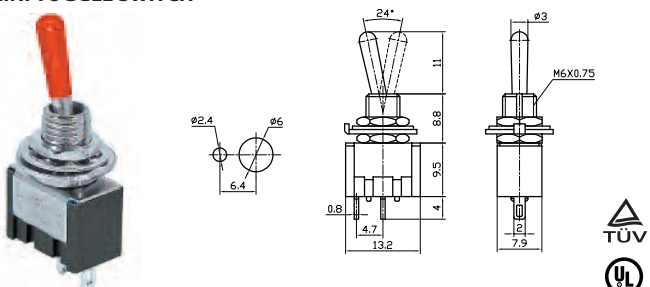
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66-1201	ON-OFF/SPST 2P	6 AMPS/125 VAC	3 AMPS/250 VAC
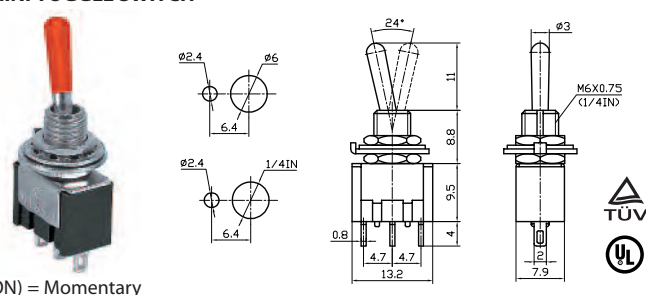
MINI TOGGLE SWITCH

(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-1202	ON-ON/SPDT 3P	6 AMPS/125 VAC	3 AMPS/250 VAC
66-1203	ON-OFF-ON/SPDT 3P	6 AMPS/125 VAC	3 AMPS/250 VAC
66-1250	(ON)-OFF-(ON)/SPDT 3P	6 AMPS/125 VAC	3 AMPS/250 VAC

MINI TOGGLE SWITCH
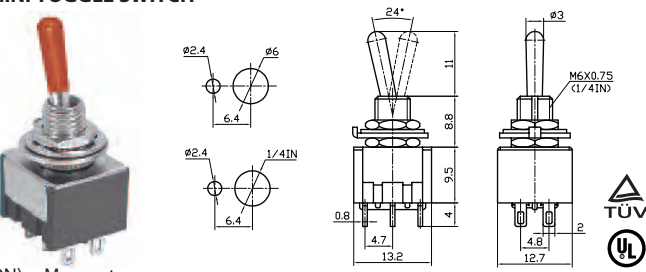
(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-1205	ON-ON/DPDT 6P	6 AMPS/125 VAC	3 AMPS/250 VAC
66-1206	ON-OFF-ON/DPDT 6P	6 AMPS/125 VAC	3 AMPS/250 VAC
66-1251	(ON)-OFF-(ON)/DPDT 6P	6 AMPS/125 VAC	3 AMPS/250 VAC
66-1255	ON-OFF-(ON)/DPDT 6P	6 AMPS/125 VAC	3 AMPS/250 VAC
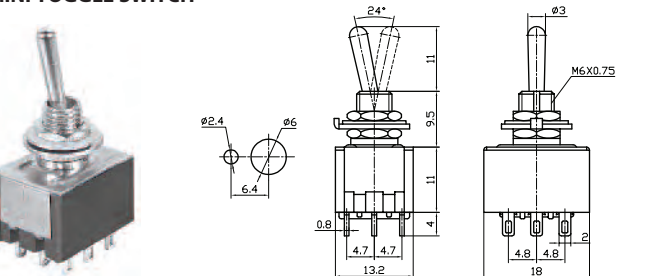
MINI TOGGLE SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-1210	ON-ON/3PDT 9P	6 AMPS/125 VAC	3 AMPS/250 VAC
66-1215	ON-OFF-ON/3PDT 9P	6 AMPS/125 VAC	3 AMPS/250 VAC
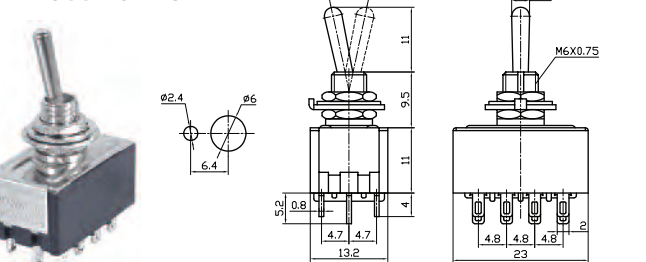
MINI TOGGLE SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-1220	ON-ON/4PDT 12P	6 AMPS/125 VAC	3 AMPS/250 VAC
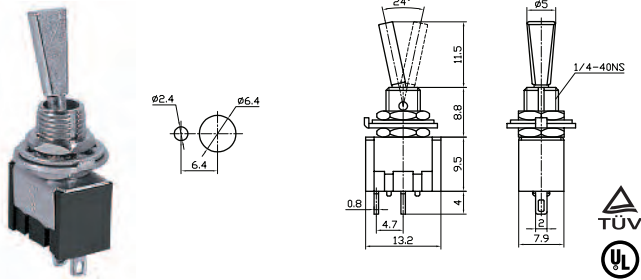
MINI TOGGLE SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-1225	ON-OFF/SPST 2P	6 AMPS/125 VAC	3 AMPS/250 VAC
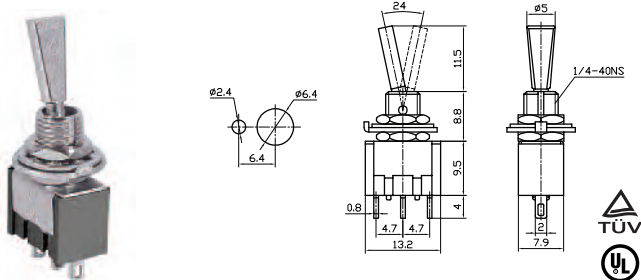
MINI TOGGLE SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-1226	ON-ON/SPDT 3P	6 AMPS/125 VAC	3 AMPS/250 VAC
66-1227	ON-OFF-ON/SPDT 3P	6 AMPS/125 VAC	3 AMPS/250 VAC
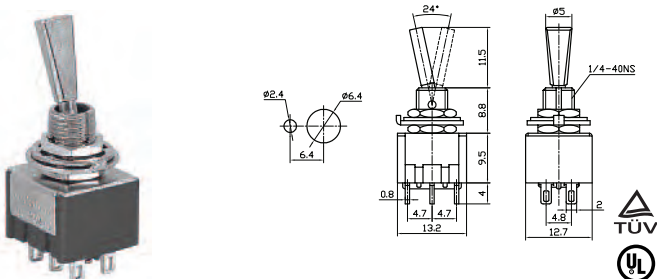
MINI TOGGLE SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-1228	ON-ON/DPDT 6P	6 AMPS/125 VAC	3 AMPS/250 VAC
66-1229	ON-OFF-ON/DPDT 6P	6 AMPS/125 VAC	3 AMPS/250 VAC
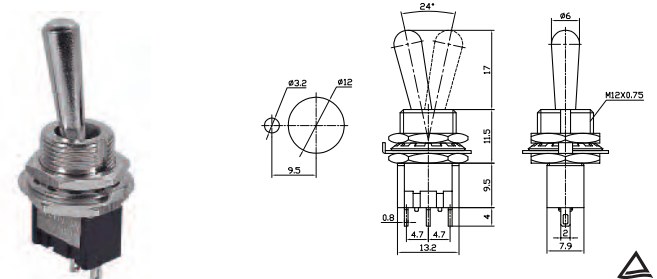
MINI TOGGLE SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-1230	ON-OFF/SPST 2P	6 AMPS/125 VAC	3 AMPS/250 VAC
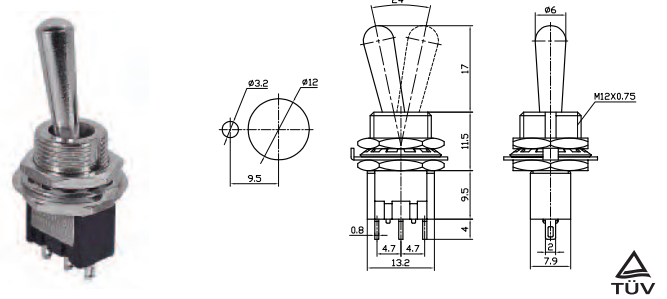
MINI TOGGLE SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-1231	ON-ON/SPDT 3P	6 AMPS/125 VAC	3 AMPS/250 VAC
66-1232	ON-OFF-ON/SPDT 3P	6 AMPS/125 VAC	3 AMPS/250 VAC

STANDARD DUTY TOGGLE SWITCH
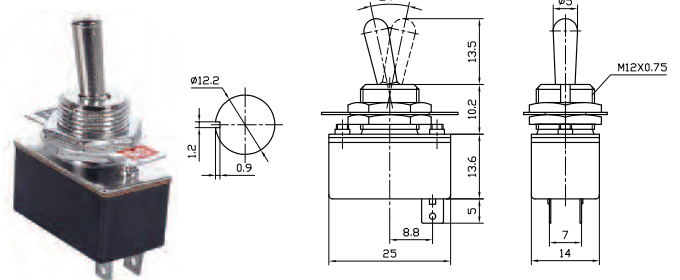
PART #	DESCRIPTION	RATING A	RATING B
66-1401	ON-OFF/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC
66-1501	ON-OFF/SPST 2P Pre-wired	4 AMPS/125 VAC	2 AMPS/250 VAC

STANDARD DUTY TOGGLE SWITCH
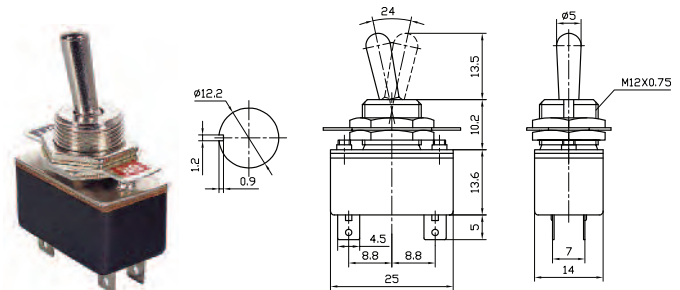
PART #	DESCRIPTION	RATING A	RATING B
66-1402	ON-ON/SPDT 4P	4 AMPS/125 VAC	2 AMPS/250 VAC

STANDARD DUTY TOGGLE SWITCH
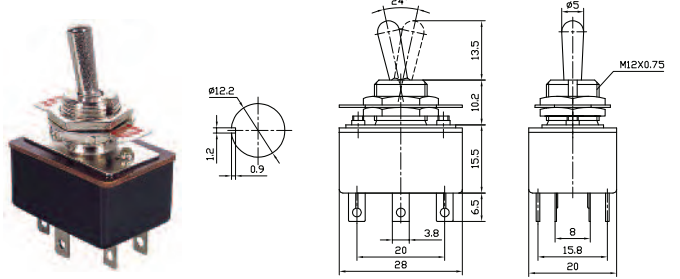
PART #	DESCRIPTION	RATING A	RATING B
66-1405	ON-ON/DPDT 6P	5 AMPS/125 VAC	3 AMPS/250 VAC

MEDIUM DUTY TOGGLE SWITCH
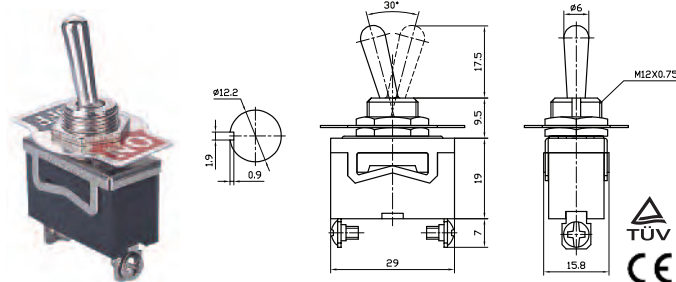
PART #	DESCRIPTION	RATING A	RATING B
66-1620	ON-OFF/SPST 2P	10 AMPS/125 VAC	6 AMPS/250 VAC

MEDIUM DUTY TOGGLE SWITCH
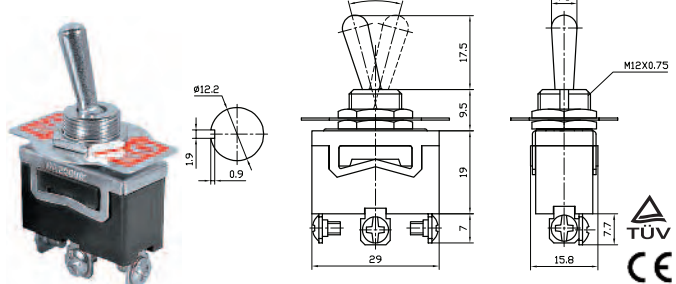
PART #	DESCRIPTION	RATING A	RATING B
66-1621	ON-ON/SPDT 3P	10 AMPS/125 VAC	6 AMPS/250 VAC
66-1622	ON-OFF-ON/SPDT 3P	10 AMPS/125 VAC	6 AMPS/250 VAC

MEDIUM DUTY TOGGLE SWITCH
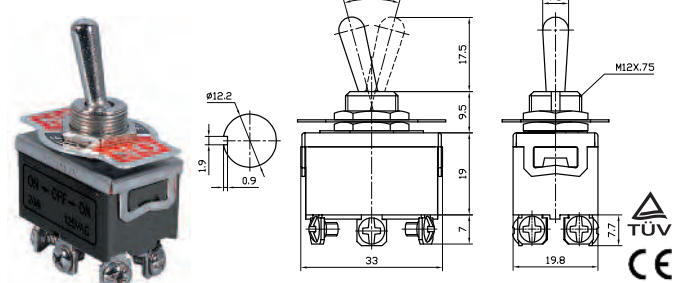
PART #	DESCRIPTION	RATING A	RATING B
66-1623	ON-ON/DPDT 6P	10 AMPS/125 VAC	6 AMPS/250 VAC
66-1624	ON-OFF-ON/DPDT 6P	10 AMPS/125 VAC	6 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH
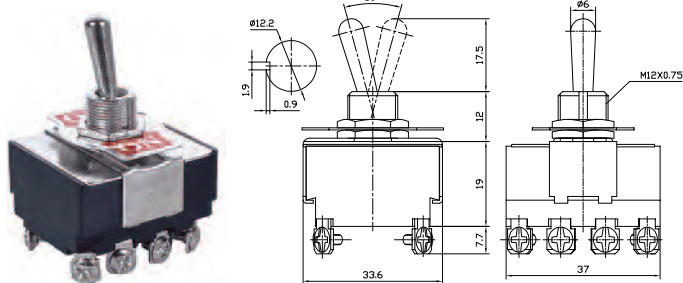
PART #	DESCRIPTION	RATING A	RATING B
66-1810	ON-OFF/4PST 8P	15 AMPS/125 VAC	10 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH
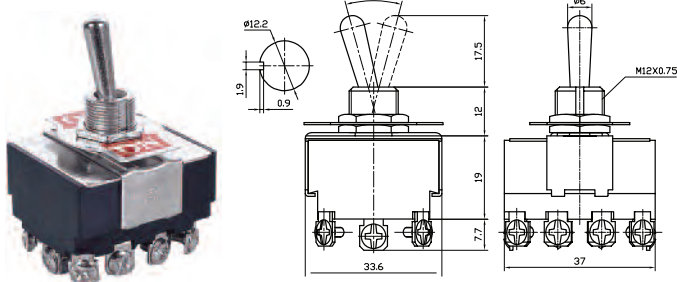
PART #	DESCRIPTION	RATING A	RATING B
66-1811	ON-ON/4PDT 12P	15 AMPS/125 VAC	10 AMPS/250 VAC
66-1815	ON-OFF-ON/4PDT 12P	15 AMPS/125 VAC	10 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH
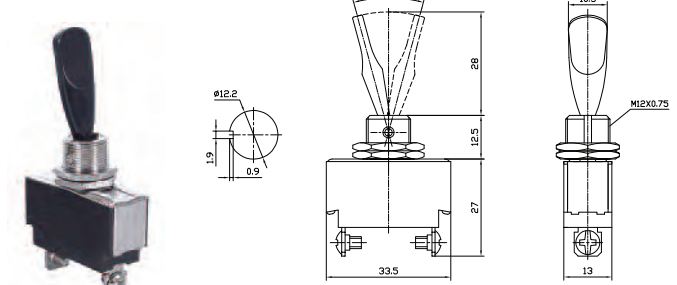
PART #	DESCRIPTION	RATING A	RATING B
66-1820	ON-OFF/SPST 2P	15 AMPS/125 VAC	10 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH
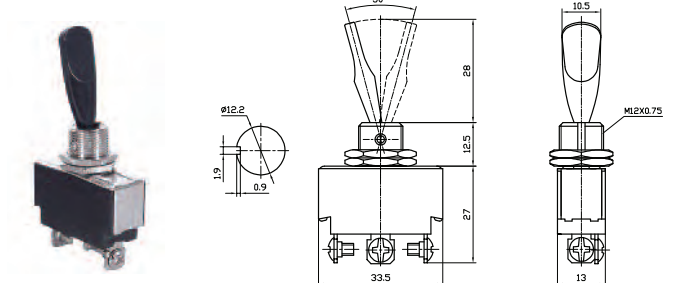
PART #	DESCRIPTION	RATING A	RATING B
66-1821	ON-ON/SPDT 3P	15 AMPS/125 VAC	10 AMPS/250 VAC
66-1822	ON-OFF-ON/SPDT 3P	15 AMPS/125 VAC	10 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH
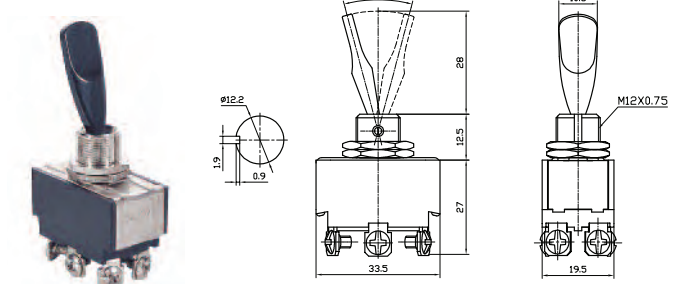
PART #	DESCRIPTION	RATING A	RATING B
66-1823	ON-ON/DPDT 6P	15 AMPS/125 VAC	10 AMPS/250 VAC
66-1824	ON-OFF-ON/DPDT 6P	15 AMPS/125 VAC	10 AMPS/250 VAC

SWITCHES

HEAVY DUTY TOGGLE SWITCH
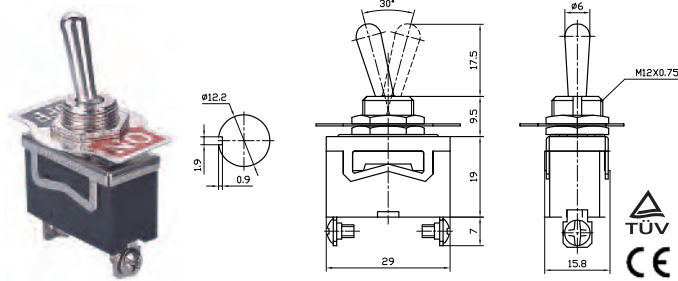
PART #	DESCRIPTION	RATING A	RATING B
66-1801	ON-OFF/SPST 2P	20 AMPS/125 VAC	15 AMPS/250 VAC

MEDIUM DUTY TOGGLE SWITCH
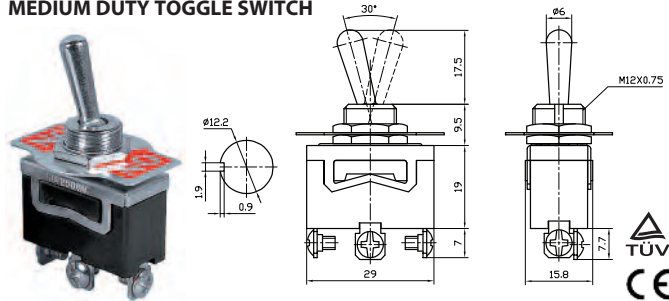
PART #	DESCRIPTION	RATING A	RATING B
66-1802	ON-ON/SPDT 3P	20 AMPS/125 VAC	15 AMPS/250 VAC
66-1803	ON-OFF-ON/SPDT 3P	20 AMPS/125 VAC	15 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH
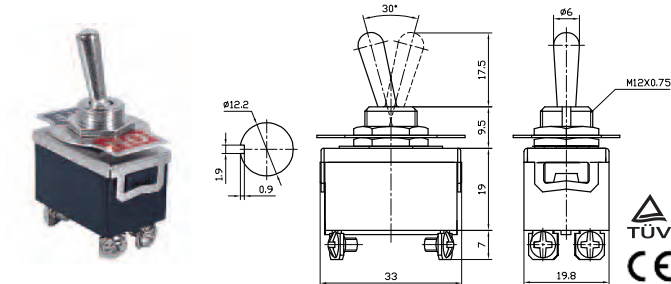
PART #	DESCRIPTION	RATING A	RATING B
66-1804	ON-OFF/DPST 4P	20 AMPS/125 VAC	15 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH
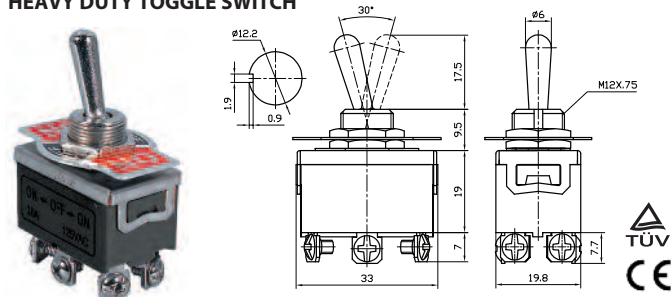
PART #	DESCRIPTION	RATING A	RATING B
66-1805	ON-ON/DPDT 6P	20 AMPS/125 VAC	15 AMPS/250 VAC
66-1806	ON-OFF-ON/DPDT 6P	20 AMPS/125 VAC	15 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH SCREW TERMINAL

RoHS
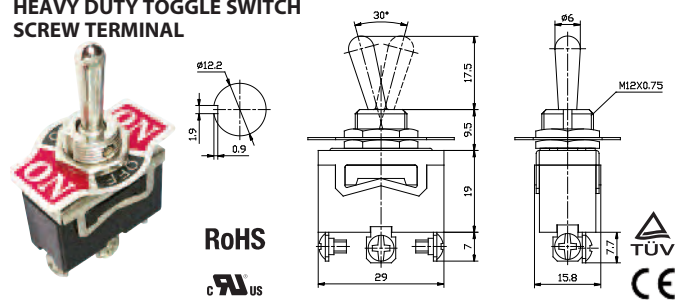
(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-1850	(ON)-OFF-(ON)/SPDT 3P	20 AMPS/125 VAC	15 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH

RoHS
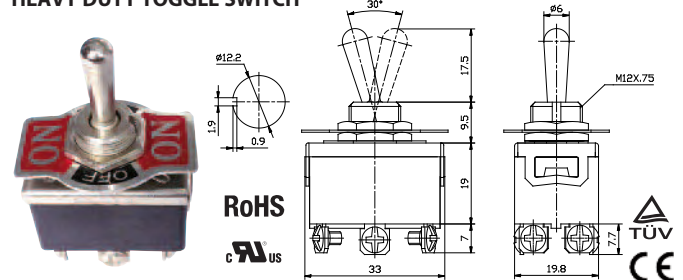
(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-1851	(ON)-OFF-(ON)/DPDT 6P	20 AMPS/125 VAC	15 AMPS/250 VAC
66-1855	ON-OFF-(ON)/DPDT 6P	20 AMPS/125 VAC	15 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH
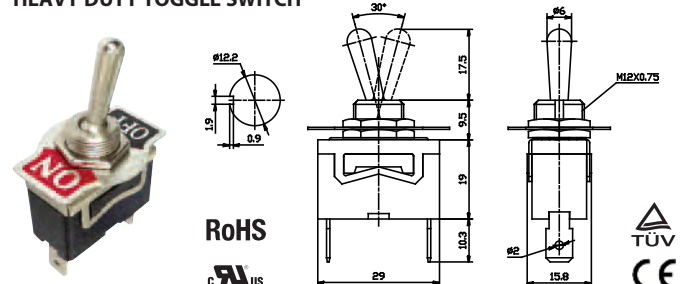
PART #	DESCRIPTION	RATING A	RATING B
66-1901	ON-OFF/SPST 2P	20 AMPS/125 VAC	15 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH

RoHS
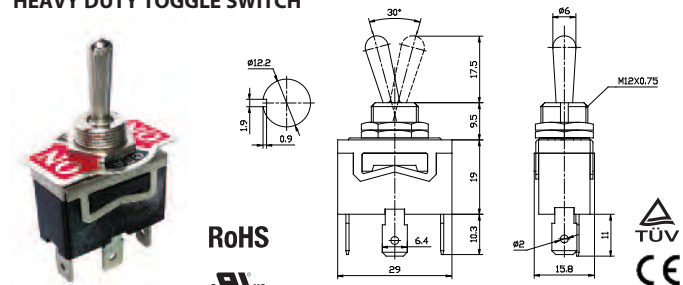
PART #	DESCRIPTION	RATING A	RATING B
66-1902	ON-ON/SPDT 3P	20 AMPS/125 VAC	15 AMPS/250 VAC
66-1903	ON-OFF-ON/SPDT 3P	20 AMPS/125 VAC	15 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH

RoHS
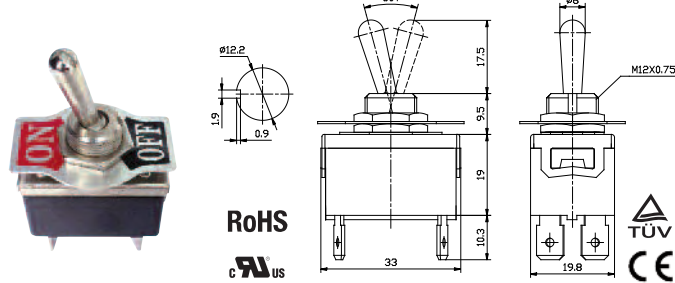
PART #	DESCRIPTION	RATING A	RATING B
66-1904	ON-OFF/DPST 4P	20 AMPS/125 VAC	15 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH

RoHS
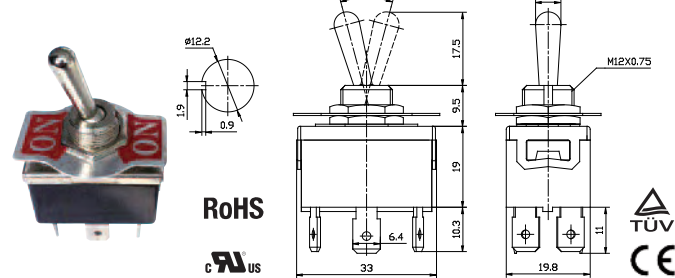
PART #	DESCRIPTION	RATING A	RATING B
66-1905	ON-ON/DPDT 6P	20 AMPS/125 VAC	15 AMPS/250 VAC
66-1906	ON-OFF-ON/DPDT 6P	20 AMPS/125 VAC	15 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH

RoHS
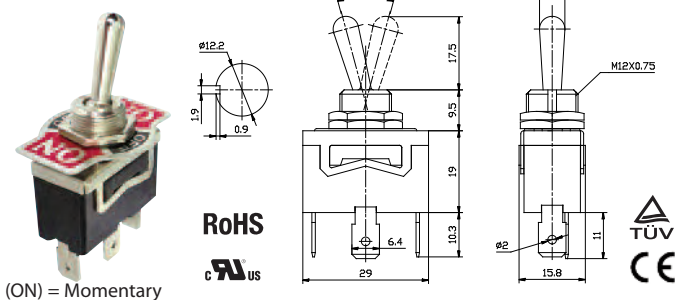
(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-1950	(ON)-OFF-(ON)/SPDT 3P	20 AMPS/125 VAC	15 AMPS/250 VAC

HEAVY DUTY TOGGLE SWITCH

RoHS
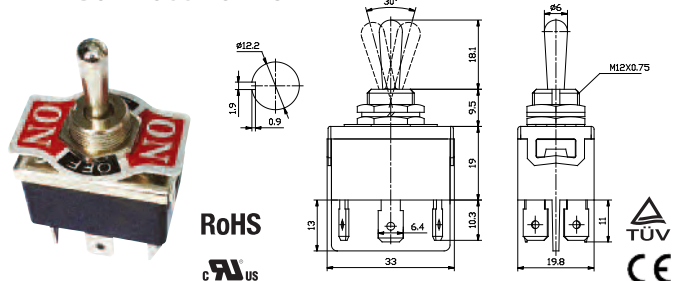
(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-1951	(ON)-OFF-(ON)/DPDT 3P	20 AMPS/125 VAC	15 AMPS/250 VAC
66-1955	ON-OFF-(ON)/DPDT 3P	20 AMPS/125 VAC	15 AMPS/250 VAC

STANDARD MICRO SWITCH
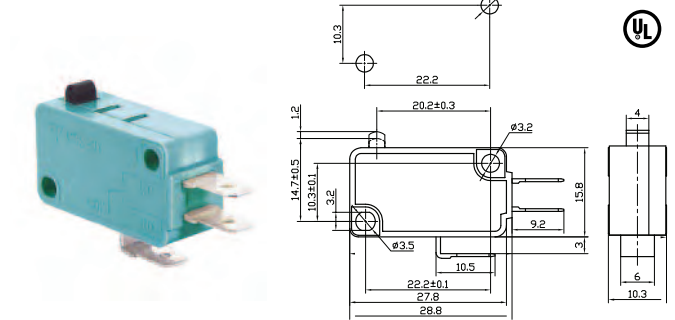
PART #	DESCRIPTION	RATING A	RATING B
66-4000	ON-(ON)/NO/NC 3P	10 AMPS/125 VAC	10 AMPS/250 VAC

STANDARD MICRO SWITCH
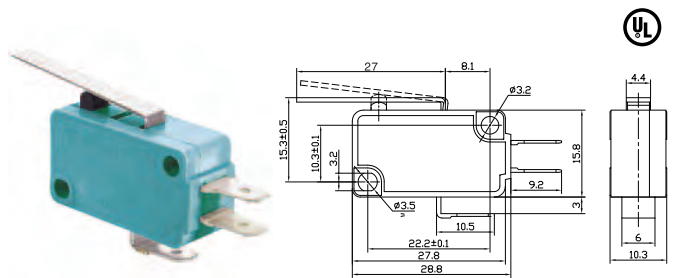
PART #	DESCRIPTION	RATING A	RATING B
66-4001	ON-(ON)/NO/NC 3P	10 AMPS/125 VAC	10 AMPS/250 VAC

STANDARD MICRO SWITCH
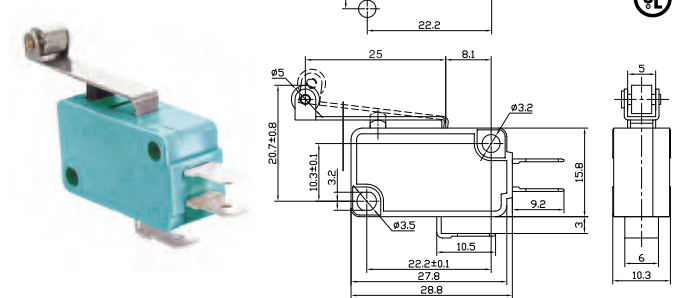
PART #	DESCRIPTION	RATING A	RATING B
66-4002	ON-(ON)/NO/NC 3P	10 AMPS/125 VAC	10 AMPS/250 VAC

STANDARD MICRO SWITCH
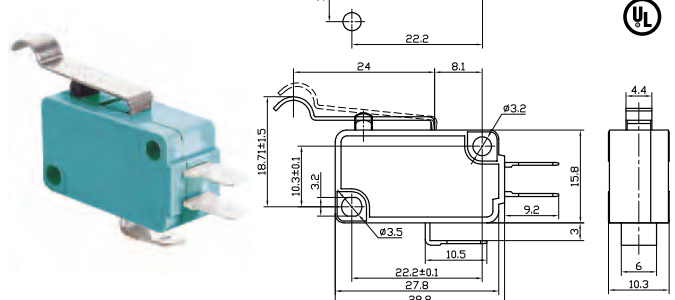
PART #	DESCRIPTION	RATING A	RATING B
66-4003	ON-(ON)/NO/NC 3P	10 AMPS/125 VAC	10 AMPS/250 VAC
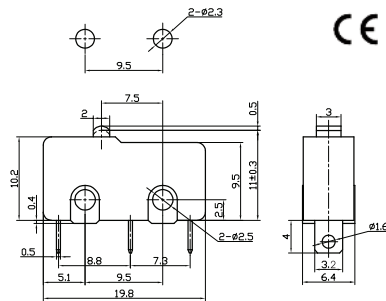
MINI MICRO SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-4010	ON-(ON)/NO/NC 3P	5 AMPS/125 VAC	5 AMPS/250 VAC
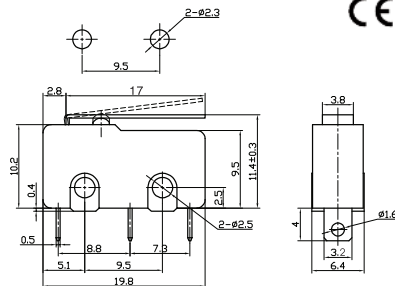
MINI MICRO SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-4011	ON-(ON)/NO/NC 3P	5 AMPS/125 VAC	5 AMPS/250 VAC
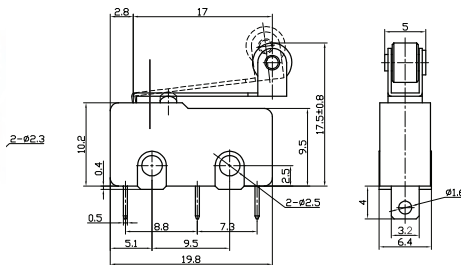
MINI MICRO SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-4012	ON-(ON)/NO/NC 3P	5 AMPS/125 VAC	5 AMPS/250 VAC

MINI MICRO SWITCH
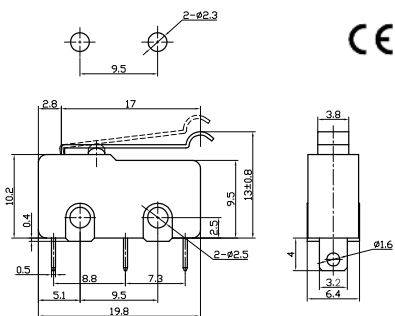
PART #	DESCRIPTION	RATING A	RATING B
66-4013	ON-(ON)/NO/NC 3P	5 AMPS/125 VAC	5 AMPS/250 VAC

PUSH BUTTON SWITCH
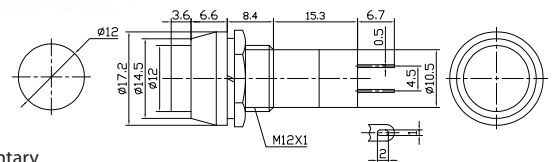
(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2445	ON-OFF/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
66-2446	OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
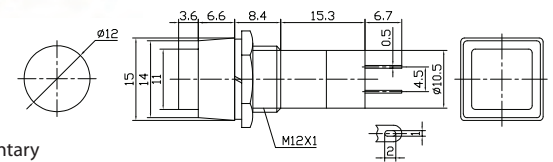
PUSH BUTTON SWITCH

(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2402	ON-OFF/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
66-2404	OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
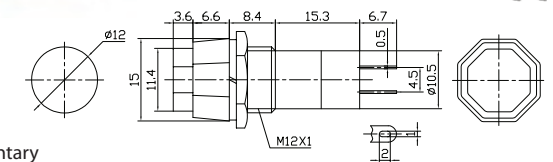
PUSH BUTTON SWITCH

(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2450	ON-OFF/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
66-2451	OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC

PUSH BUTTON SWITCH
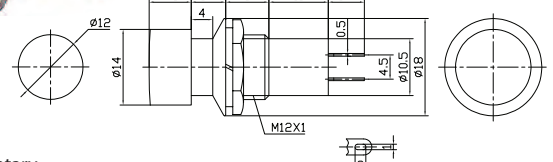
(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2406	**BLACK** ON-OFF/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
66-2407	**BLACK** OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
66-2408	**RED** ON-OFF/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
66-2410	**RED** OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
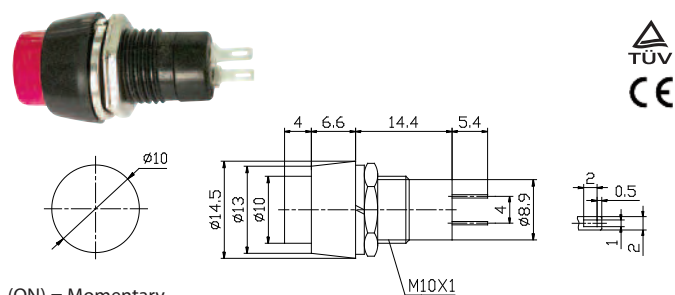
PUSH BUTTON SWITCH

(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2465	ON-OFF/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
66-2466	OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
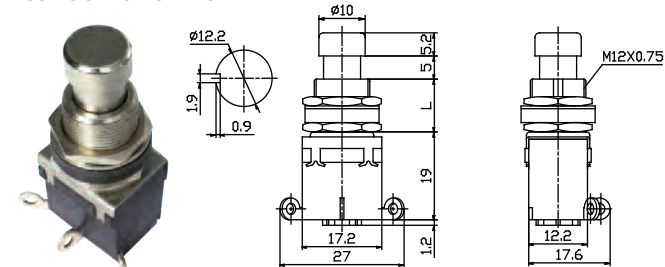
PUSH BUTTON SWITCH

(OFF) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2460	ON-ON/SPDT 3P	2 AMPS/125 VAC	4 AMPS/250 VAC
66-2461	ON-(OFF)/SPST 3P	2 AMPS/125 VAC	4 AMPS/250 VAC
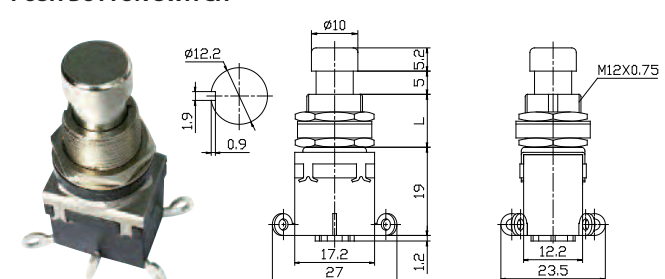
PUSH BUTTON SWITCH

(OFF) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2462	ON-ON/DPDT 6P	2 AMPS/125 VAC	4 AMPS/250 VAC
66-2463	ON-(OFF)/DPDT 6P	2 AMPS/125 VAC	4 AMPS/250 VAC
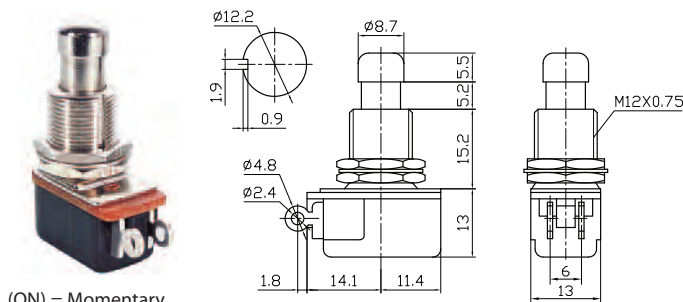
PUSH BUTTON SWITCH

(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2430	OFF-(ON)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC
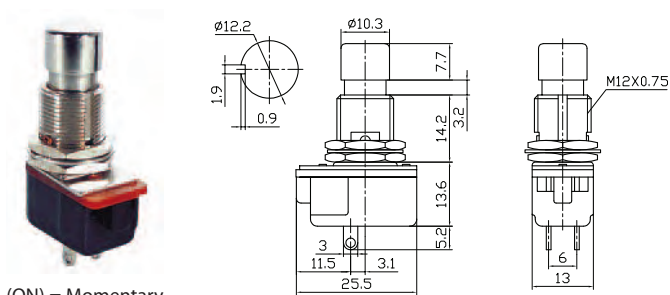
PUSH BUTTON SWITCH

(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2432	OFF-(ON)/SPST 2P	10 AMPS/125 VAC	6 AMPS/250 VAC

PUSH BUTTON SWITCH
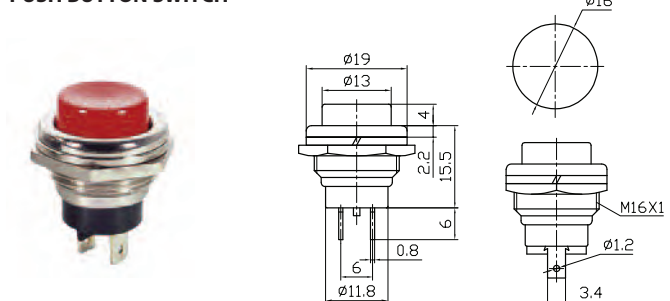
(OFF) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2420	**RED** ON-(OFF)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC
66-2422	**BLACK** ON-(OFF)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC
66-2424	**BLUE** ON-(OFF)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC
66-2426	**GREEN** ON-(OFF)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC
66-2428	**YELLOW** ON-(OFF)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC

(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2421	**RED** OFF-(ON)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC
66-2423	**BLACK** OFF-(ON)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC
66-2425	**BLUE** OFF-(ON)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC
66-2427	**GREEN** OFF-(ON)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC
66-2429	**YELLOW** OFF-(ON)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC
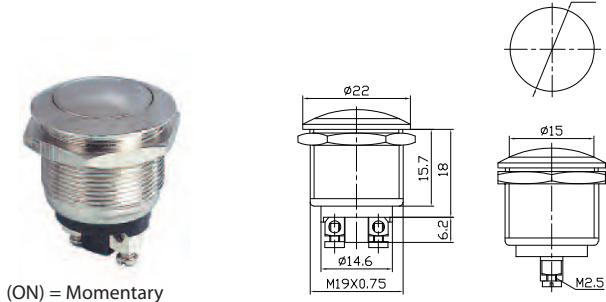
PUSH BUTTON SWITCH

(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2434	OFF-(ON)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC

SWITCHES

PUSH BUTTON SWITCH
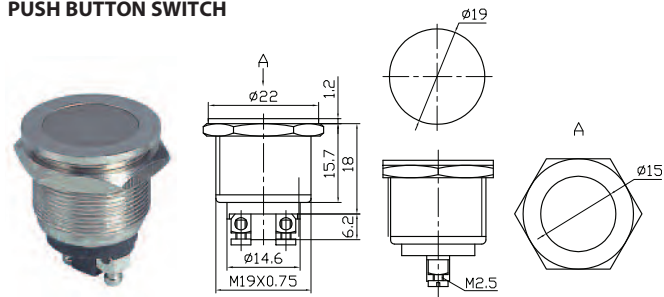
PART #	DESCRIPTION	RATING A	RATING B
66-2436	OFF-(ON)/SPST 2P	4 AMPS/125 VAC	2 AMPS/250 VAC

PUSH BUTTON SWITCH
WITH WATERPROOF RUBBER RING
IP66 PROTECTION
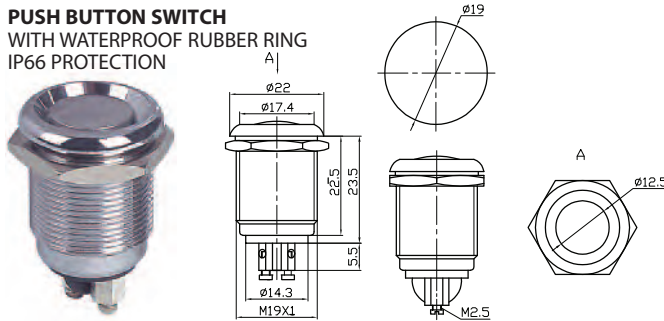
PART #	DESCRIPTION	RATING A	RATING B
66-2438	OFF-(ON)/SPST 2P/IP66	4 AMPS/125 VAC	2 AMPS/250 VAC

PUSH BUTTON SWITCH
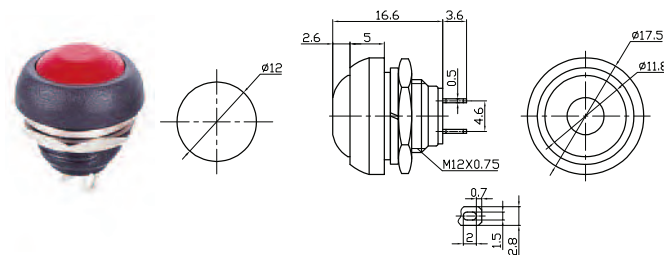
PART #	DESCRIPTION	RATING A	RATING B
66-2440 BK	OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMP/250 VAC
66-2441 RED	OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMP/250 VAC
66-2442 BLU	OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMP/250 VAC
66-2443 GN	OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMP/250 VAC
66-2444 YW	OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMP/250 VAC

PUSH BUTTON SWITCH
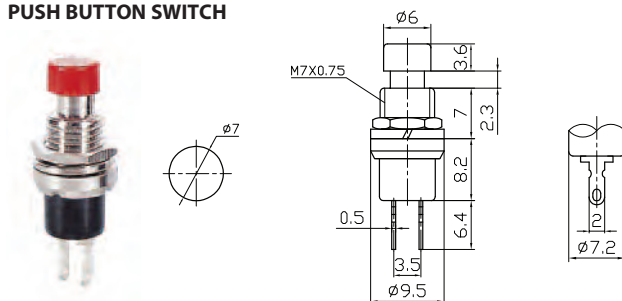
* BLACK BUTTON

PART #	DESCRIPTION	RATING A	RATING B
66-2412	OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
66-2414*	ON-(OFF)/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC
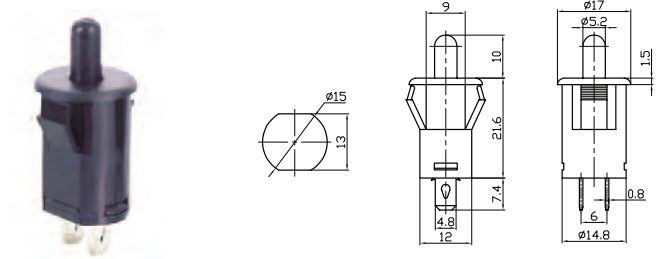
PUSH BUTTON SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-2475	OFF-(ON)/SPST 2P	3 AMPS/125 VAC	1 AMPS/250 VAC

PUSH BUTTON SWITCH
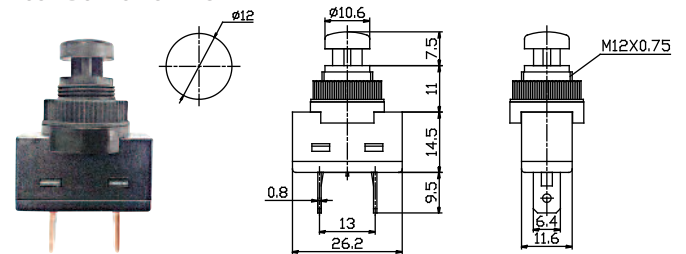
PART #	DESCRIPTION	RATING A	RATING B
66-2468	(ON)-OFF	20 AMPS/12 VDC	10 AMPS/125 VAC
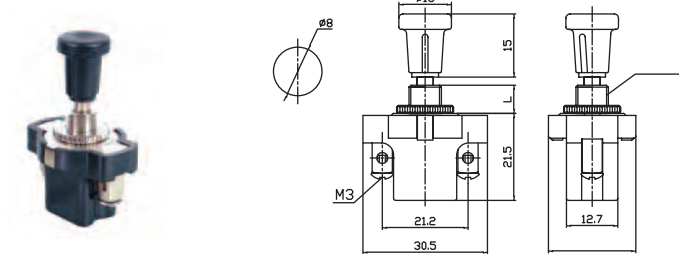
AUTOMOTIVE SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-2301	(L=7,13,20) SPST 2P	10AMPS/12VDC	6 AMPS/30 VDC

AUTOMOTIVE SWITCH
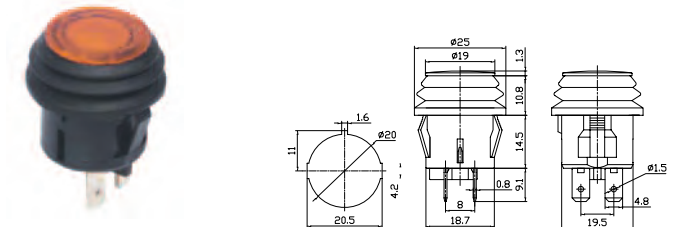
PART #	DESCRIPTION	RATING A	RATING B
66-2490 RED	ON-OFF	20 AMPS/12VDC	–
66-2491 BLUE	ON-OFF	20 AMPS/12VDC	–
66-2492 GREEN	ON-OFF	20 AMPS/12VDC	–
66-2493 AMBER	ON-OFF	20 AMPS/12VDC	–

AUTOMOTIVE SWITCH
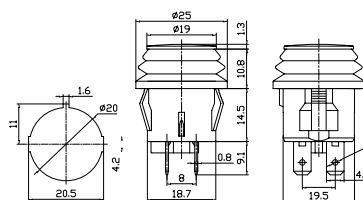
PART #	DESC.	RATING A	RATING B
66-2495 RED	ON-OFF	10 AMPS/110VAC	6 AMPS/250VAC
66-2496 BLUE	ON-OFF	10 AMPS/110VAC	6 AMPS/250VAC
66-2497 GREEN	ON-OFF	10 AMPS/110VAC	6 AMPS/250VAC
66-2498 AMBER	ON-OFF	10 AMPS/110VAC	6 AMPS/250VAC

KNIFE SWITCH
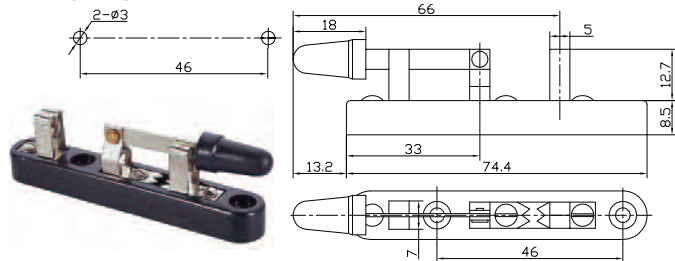
PART #	DESCRIPTION	RATING B
66-2820	ON-ON/SPDT	10 AMPS/12VDC

ILLUMINATED ROCKER SWITCH
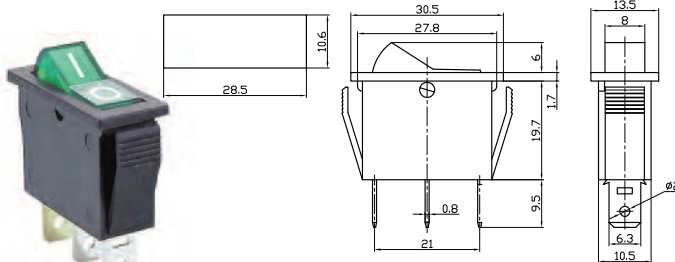
PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
66-2237 AMBER	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2238 BLUE	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2239 GREEN	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2240 RED	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC

ILLUMINATED ROCKER SWITCH
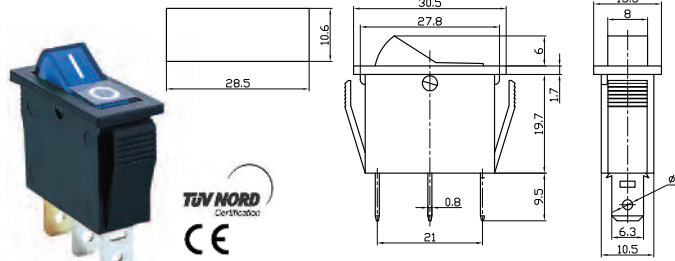
LAMP VOLTAGE: 125/250VAC

PART #	DESCRIPTION	RATING A	RATING B
66-2217 AMBER	ON-OFF/SPST 3P	20 AMPS/125VAC	15 AMPS/250VAC
66-2218 BLUE	ON-OFF/SPST 3P	20 AMPS/125VAC	15 AMPS/250VAC
66-2219 GREEN	ON-OFF/SPST 3P	20 AMPS/125VAC	15 AMPS/250VAC
66-2220 RED	ON-OFF/SPST 3P	20 AMPS/125VAC	15 AMPS/250VAC

ILLUMINATED ROCKER SWITCH
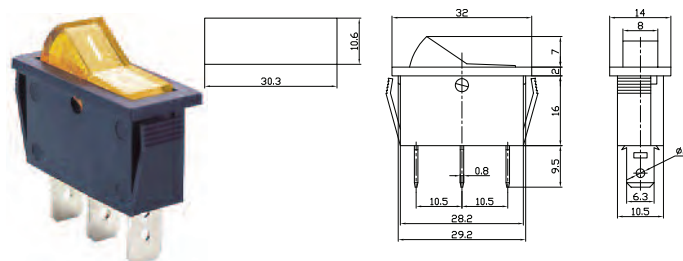
PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
66-2207 AMBER	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2208 BLUE	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2209 GREEN	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2210 RED	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC

ILLUMINATED ROCKER SWITCH
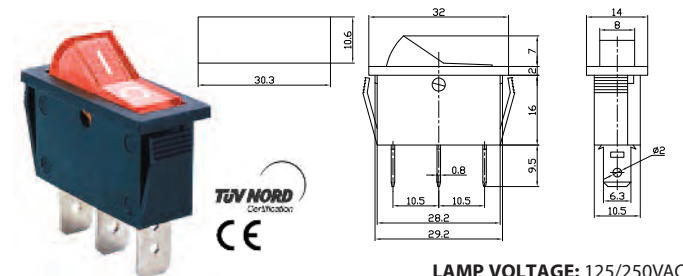
LAMP VOLTAGE: 125/250VAC

PART #	DESCRIPTION	RATING A	RATING B
66-2200 AMBER	ON-OFF/SPST 3P	20 AMPS/125VAC	15 AMPS/250VAC
66-2201 BLUE	ON-OFF/SPST 3P	20 AMPS/125VAC	15 AMPS/250VAC
66-2202 GREEN	ON-OFF/SPST 3P	20 AMPS/125VAC	15 AMPS/250VAC
66-2203 RED	ON-OFF/SPST 3P	20 AMPS/125VAC	15 AMPS/250VAC

ILLUMINATED MINI ROCKER SWITCH
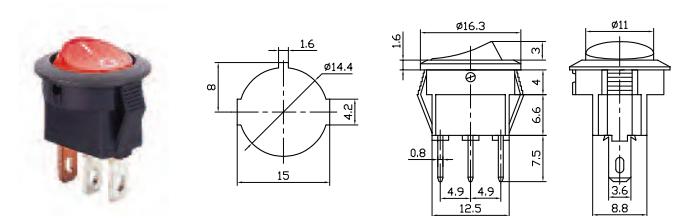
PART #	DESCRIPTION	RATING A	RATING B
66-2290 RED	ON-OFF/SPST 3P	6 AMPS/12VDC	—
66-2293 RED	ON-OFF/SPST 3P	3 AMPS/125 VAC	1 AMP/250 VAC

ILLUMINATED ROCKER SWITCH
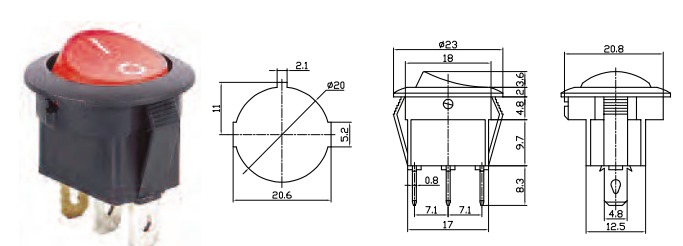
PART #	DESCRIPTION	RATING A	RATING B
66-2291 RED	ON-OFF/SPST 3P	16 AMPS/12VDC	—
66-2292 RED	ON-OFF/SPST 3P	13 AMPS/125 VAC	6.5 AMP/250 VAC

SWITCHES

ILLUMINATED ROCKER SWITCH
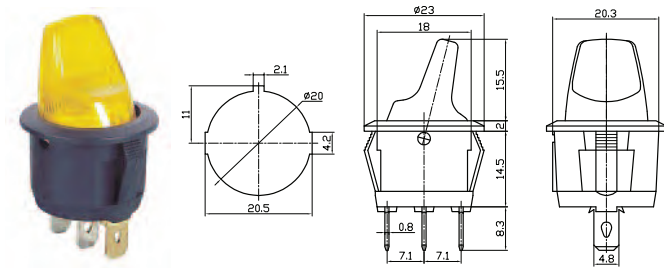
PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
66-2040 AMBER	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2041 BLUE	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2042 GREEN	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2043 RED	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC

ROCKER SWITCH
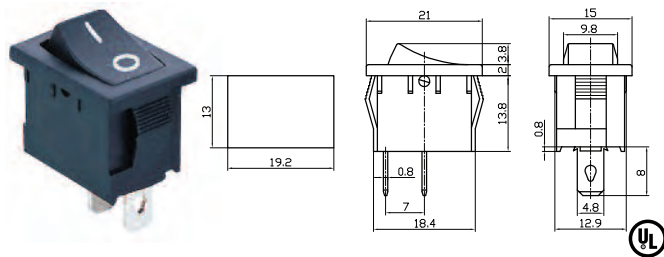
PART #	DESCRIPTION	RATING A	RATING B
66-2245	ON-OFF/SPST 2P	10 AMPS/125 VAC	6 AMPS/250 VAC

ROCKER SWITCH
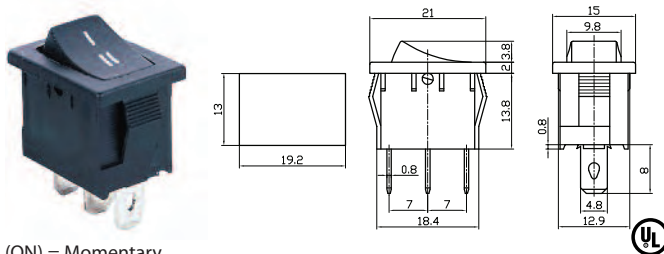
(ON) = Momentary

PART #	DESCRIPTION	RATING A	RATING B
66-2246	ON-ON/SPDT 3P	10 AMPS/125VAC	6 AMPS/250VAC
66-2247	ON-OFF-ON/SPDT 3P	10 AMPS/125VAC	6 AMPS/250VAC
66-2248	(ON)-OFF-(ON)/SPDT 3P	10 AMPS/125VAC	6 AMPS/250VAC

ILLUMINATED AUTOMOTIVE SWITCH
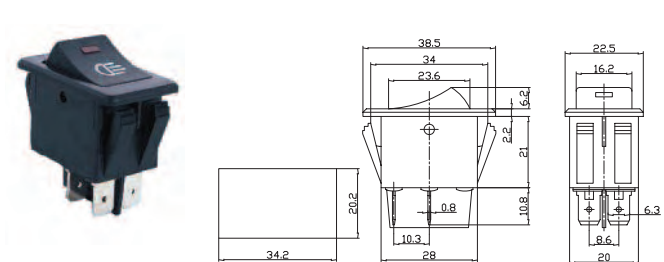
PART #	DESCRIPTION	RATING A
66-2294 AMBER	ON-OFF/DPST 4P	35 AMPS/12 VDC (WITH LAMP)
66-2295 RED	ON-OFF/DPST 4P	35 AMPS/12 VDC (WITH LAMP)
66-2296 BLUE	ON-OFF/DPST 4P	35 AMPS/12 VDC (WITH LAMP)
66-2297 GREEN	ON-OFF/DPST 4P	35 AMPS/12 VDC (WITH LAMP)

ILLUMINATED LED AUTOMOTIVE SWITCH
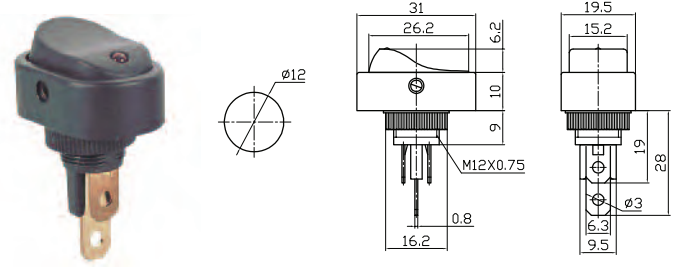
PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
66-2280 AMBER	ON-OFF/SPST 3P	16 AMPS/12VDC	12VDC
66-2281 BLUE	ON-OFF/SPST 3P	16 AMPS/12VDC	12VDC
66-2282 GREEN	ON-OFF/SPST 3P	16 AMPS/12VDC	12VDC
66-2283 RED	ON-OFF/SPST 3P	16 AMPS/12VDC	12VDC

ILLUMINATED LED AUTOMOTIVE SWITCH
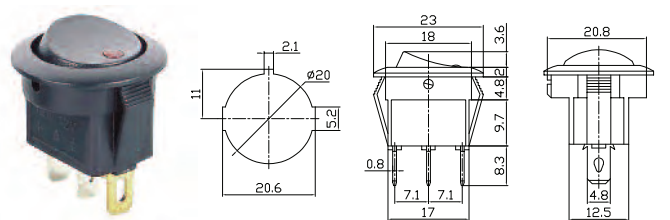
PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
66-2285 AMBER	ON-OFF/SPST 3P	16 AMPS/12VDC	12VDC
66-2286BLUE	ON-OFF/SPST 3P	16 AMPS/12VDC	12VDC
66-2287 GREEN	ON-OFF/SPST 3P	16 AMPS/12VDC	12VDC
66-2288 RED	ON-OFF/SPST 3P	16 AMPS/12VDC	12VDC

AUTOMOTIVE SWITCH
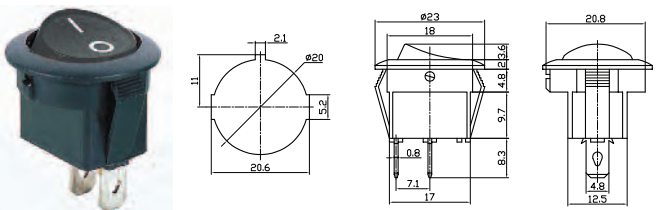
PART #	DESCRIPTION	RATING A	RATING B
66-2255	ON-OFF/SPST 2P	16 AMPS/12 VDC	10 AMPS/125 VAC
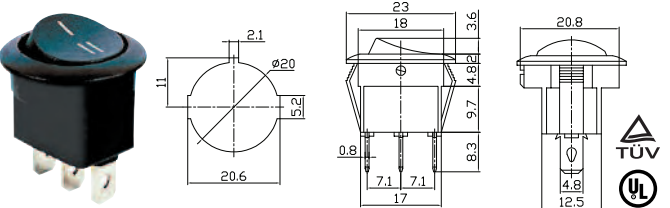
AUTOMOTIVE SWITCH

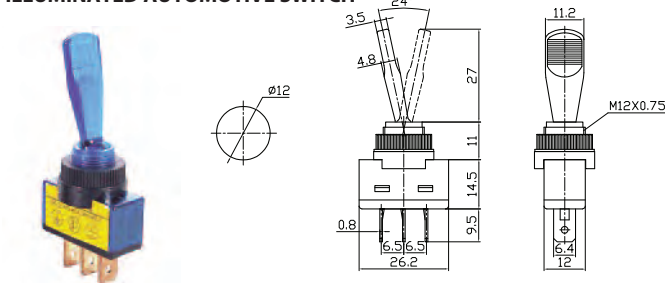| PART #	DESCRIPTION	RATING A	RATING B
66-2256	ON-ON/SPDT 3P	13 AMPS/12VDC	10 AMP/125 VAC
66-2257	ON-OFF-ON/SPDT 3P	13 AMPS/12VDC	10 AMP/125 VAC

ILLUMINATED AUTOMOTIVE SWITCH
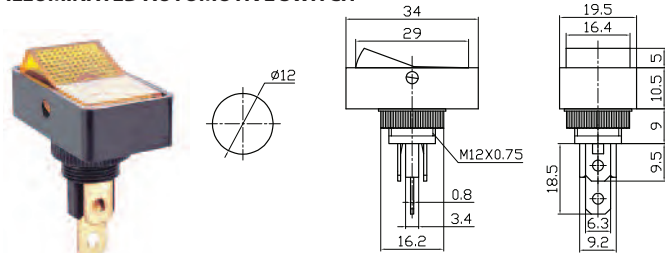
PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
66-2271 AMBER	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2272 BLUE	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2273 GREEN	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2274 RED	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
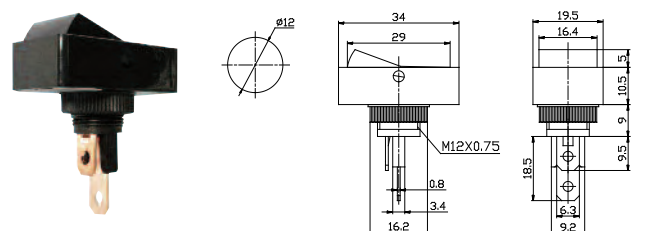
AUTOMOTIVE SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-2276	ON-OFF/SPST 2P	20 AMPS/12VDC	10 AMP/125 VAC

ILLUMINATED AUTOMOTIVE SWITCH
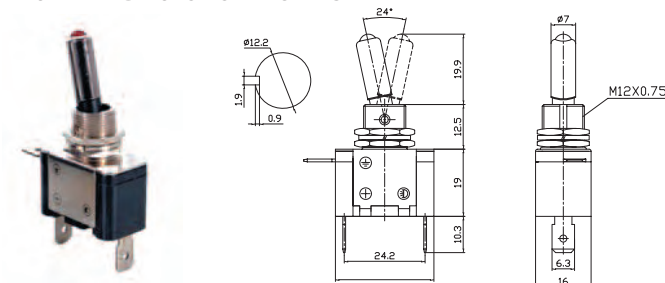
PART #	DESCRIPTION	RATING A
66-2050 RED	ON-OFF/SPST 3P	25 AMPS/12 VDC (WITH LAMP)
66-2051 BLUE	ON-OFF/SPST 3P	25 AMPS/12 VDC (WITH LAMP)
66-2052 GREEN	ON-OFF/SPST 3P	25 AMPS/12 VDC (WITH LAMP)
66-2053 AMBER	ON-OFF/SPST 3P	25 AMPS/12 VDC (WITH LAMP)

ILLUMINATED AUTOMOTIVE SWITCH

PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
66-2022 AMBER	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2012 BLUE	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2032 GREEN	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2002 RED	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC

ILLUMINATED AUTOMOTIVE SWITCH
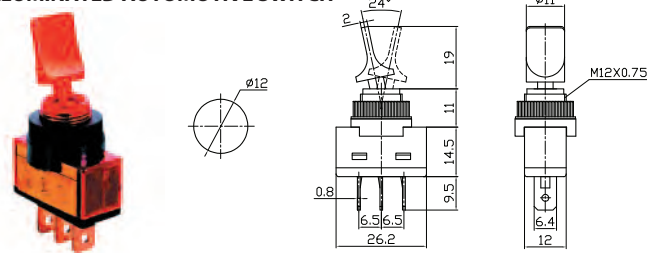
PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
66-2035 AMBER	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2036 BLUE	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2037 GREEN	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
66-2038 RED	ON-OFF/SPST 3P	20 AMPS/12VDC	12VDC
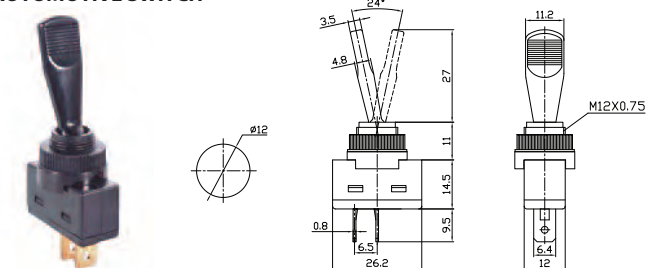
AUTOMOTIVE SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-2023	ON-OFF/SPST 2P	20 AMPS/12 VDC	10 AMPS/125 VAC
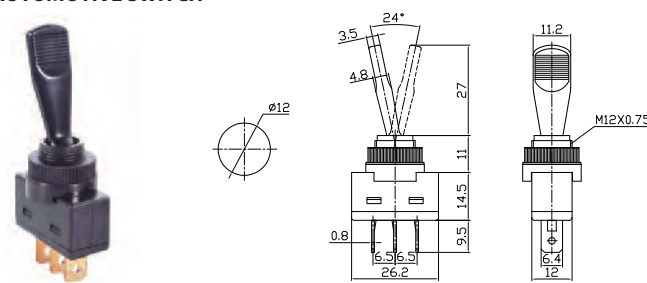
AUTOMOTIVE SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-2024	ON-ON/SPDT 3P	20 AMPS/12VDC	10 AMPS/125 VAC
66-2025	ON-OFF-ON/SPDT 3P	20 AMPS/12VDC	10 AMPS/125 VAC
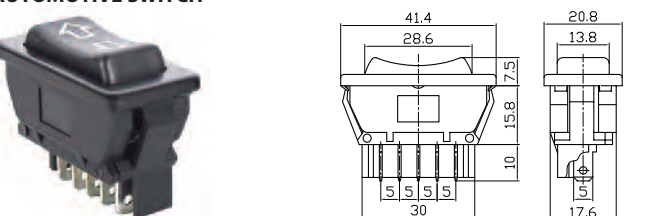
AUTOMOTIVE SWITCH

PART #	DESCRIPTION	RATING A	RATING B
66-2298	DPDT 5P	20 AMPS/12 VDC	10 AMPS/30 VDC

SWITCHES

ILLUMINATED AUTOMOTIVE SWITCH
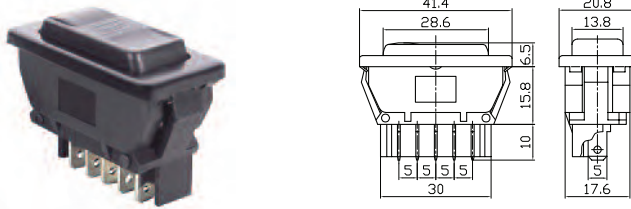
PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
66-2299	DPDT 5P (WITH LAMP)	20 AMPS/12 VDC	12 VDC

PIN SWITCH
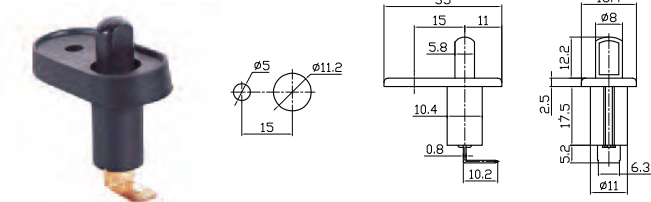
PART #	DESCRIPTION	RATING A	RATING B
66-3020	ON-(OFF)	20 AMPS/12 VDC	—

PIN SWITCH
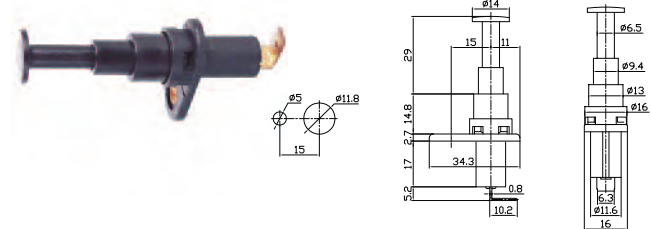
PART #	DESCRIPTION	RATING A	RATING B
66-3021	ON-(OFF)	20 AMPS/12 VDC	—

SWITCH COVER

PART #	DESCRIPTION
66-5000	SWITCH COVER WITH WATERPROOF CAP

SWITCH COVER WITH O-RING
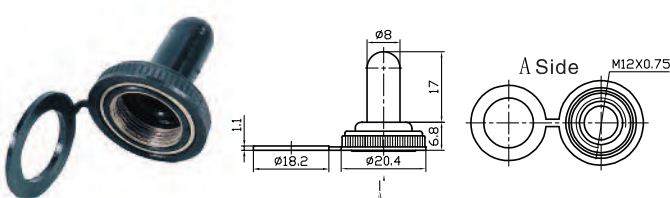
PART #	DESCRIPTION
66-5001	SWITCH COVER WITH O-RING & WATERPROOF CAP

SWITCH COVER

PART #	DESCRIPTION
66-5002	SWITCH COVER WITH O-RING & WATERPROOF CAP

AIRCRAFT TYPE SWITCH COVER
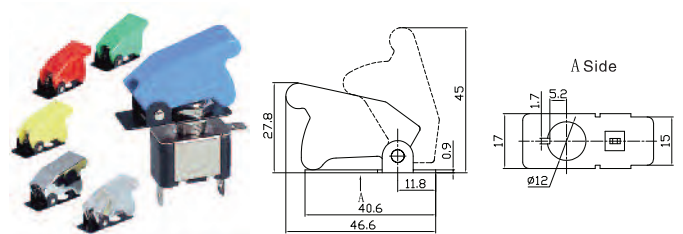
PART #	PART #
66-5009 PURPLE	66-5015 RED
66-5010 BLACK	66-5016 TRANSPARENT
66-5011 BLUE	66-5017 YELLOW
66-5012 CHROME	66-5018 TRANSPARENT RED
66-5013 GREEN	66-5019 TRANSPARENT BLUE
66-5014 CARBON	66-5020 TRANSPARENT GREEN

NON-ILLUMINATED GAME SWITCH
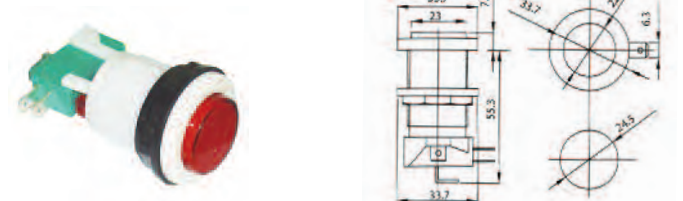
PART #	DESCRIPTION	RATING B
GMS-8B-C	NO/NC: AMBER, BLUE, GREEN. RED & WHITE	5 AMP/12 VDC

ILLUMINATED GAME SWITCH

AVAILABLE IN: AMBER, BLUE, GREEN, RED & WHITE

PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
GMSI-7B-C	NO/NC	5 AMP/12 VDC	12VDC

ILLUMINATED GAME SWITCH

AVAILABLE IN: AMBER, BLUE, GREEN, RED & WHITE

PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
GMSI-5B-S	NO/NC	5 AMP/12 VDC	12VDC

ILLUMINATED GAME SWITCH

AVAILABLE IN: AMBER, BLUE, GREEN, RED & WHITE
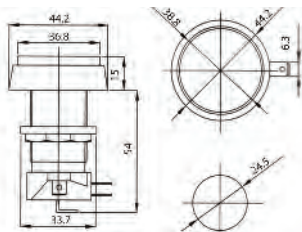
PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
GMSI-4B-C	NO/NC	5 AMP/12 VDC	12VDC

ILLUMINATED GAME SWITCH

AVAILABLE IN: AMBER, BLUE, GREEN, RED & WHITE
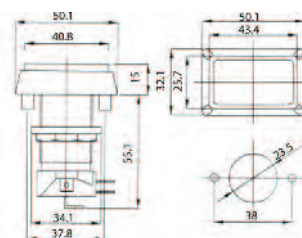
PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
GMSI-3B-R	NO/NC	5 AMP/12 VDC	12VDC

ILLUMINATED GAME SWITCH

AVAILABLE IN: AMBER, BLUE, GREEN, RED & WHITE
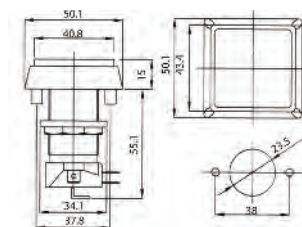
PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
GMSI-2B-S	NO/NC	5 AMP/12 VDC	12VDC

ILLUMINATED GAME SWITCH

AVAILABLE IN: AMBER, BLUE, GREEN, RED & WHITE
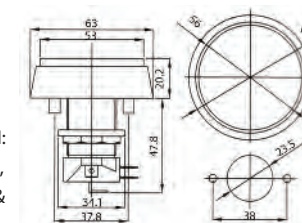
PART #	DESCRIPTION	RATING A	LAMP VOLTAGE
GMSI-1B-C	NO/NC	5 AMP/12 VDC	12VDC

PIN SWITCH - LONG
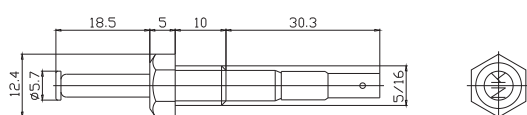
PART #	DESCRIPTION	LENGTH
66-3007	ACCEPTS .156" DIAMETER MALE BULLET	2.5"

PIN SWITCH
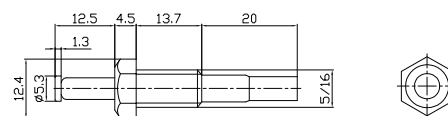
PART #	DESCRIPTION	LENGTH
66-3008	ACCEPTS .156" DIAMETER MALE BULLET	2.0"

PIN SWITCH- ADJUSTABLE HEAD
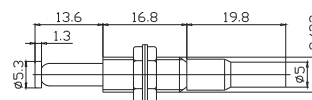
ALLOWS FOR PLUNGER HEIGHT ADJUSTMENT

PART #	DESCRIPTION	LENGTH
66-3014	ACCEPTS .156" DIAMETER MALE BULLET	2.0"

PIN SWITCH - LONG ADJUSTABLE HEAD
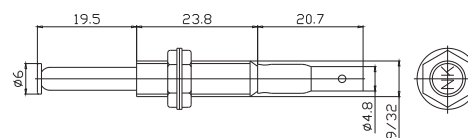
ALLOWS FOR PLUNGER HEIGHT ADJUSTMENT

PART #	DESCRIPTION	LENGTH
66-3013	ACCEPTS .156" DIAMETER MALE BULLET	2.5"

RIGHT ANGLE PIN SWITCH - LONG ADJUSTABLE HEAD
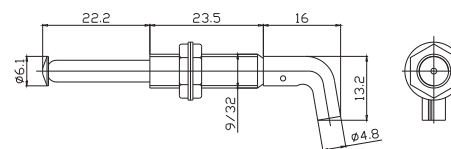
ALLOWS FOR PLUNGER HEIGHT ADJUSTMENT

PART #	DESCRIPTION	LENGTH
66-3015	ACCEPTS .156" DIAMETER MALE BULLET	2.5"

NYLON TIPPED PIN SWITCH
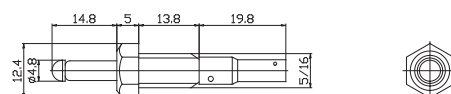
PART #	DESCRIPTION	LENGTH
66-3022	ACCEPTS .156" DIAMETER MALE BULLET	2.0"

PIN SWITCH- FLANGE MOUNTED

POLYCARBONATE SHAFT

PART #	DESCRIPTION	LENGTH
66-3005	COPPER QC TERM.	2.75"

PIN SWITCH- NICKEL PLATED

RESIZEABLE POLYCARBONATE PLUNGER

PART #	DESCRIPTION
66-3023	TIN PLATED BRASS Q.C. TERMINALS

PIN SWITCH- NICKEL PLATED & RUBBER BOOT

PART #	DESCRIPTION
66-3024	RESIZEABLE POLYCARBONATE PLUNGER & RUBBER BOOT

PIN SWITCH- VERTICAL FLANGE MOUNT

PART #	DESCRIPTION
66-3025	FOR UNDER-HOOD APPLICATIONS

DELUXE PIN SWITCH

RESIZEABLE POLYCARBONATE PLUNGER

PART #	DESCRIPTION	LENGTH
66-3001	HEAVY STEEL MOUNTING PLATE W/ .250" MALE	1.625"

SLIDING VAN DOOR SWITCH

PART #	DESCRIPTION
66-3026	DOUBLE PIN SWITCH WITH MATCHING PLATE

REED SWITCH WITH MAGNET

PART #	DESCRIPTION
66-2812	NORMALLY OPEN/NORMALLY CLOSED WITH MAGNET

REED SWITCH WITH MAGNET

PART #	DESCRIPTION
66-3030	N.O. WITH 12" LEADS & TEST POINTS

MERCURY TILT SWITCH

PART #	DESCRIPTION
66-3031	N.O. WITH 12" LEADS & TEST POINTS

PIN SWITCH BRACKET- RIGHT ANGLE
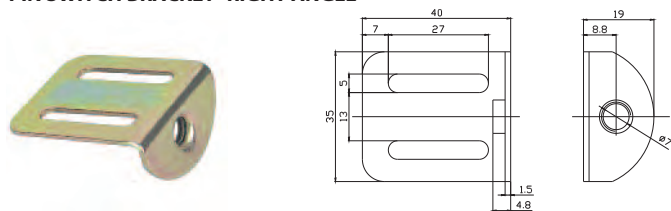
PART #	DESCRIPTION
66-5005	18G. BRACKET, .25" THREADED HOLE, 1.125" ADJUSTMENT SLOT

PIN SWITCH BRACKET
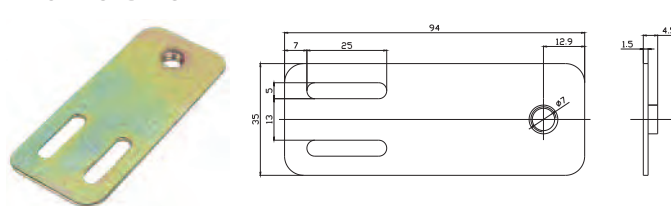
PART #	DESCRIPTION
66-5006	18G. BRACKET, .25" THREADED HOLE, 1.125" ADJUSTMENT SLOT

KEY SWITCH
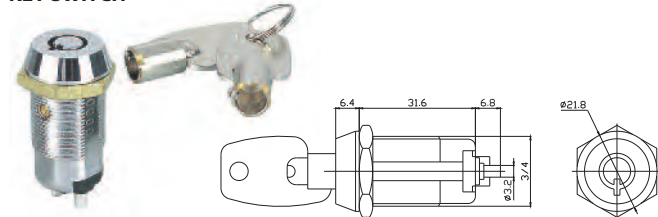
PART #	DESCRIPTION
66-2802	SPST ON-OFF ROUND KEY SWITCH

KEY SWITCH
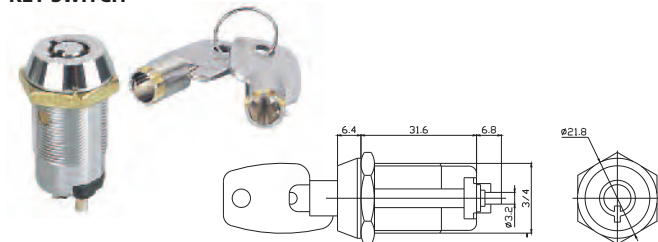
PART #	DESCRIPTION
66-2804	MOMENTARY (ON) ROUND KEY SWITCH

KEY SWITCH
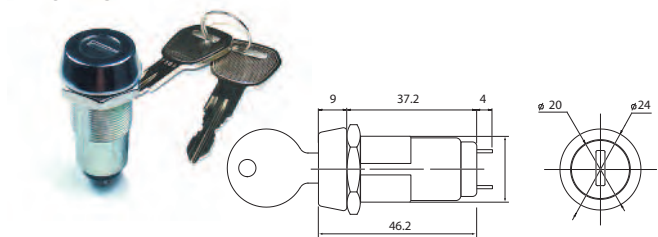
PART #	DESCRIPTION
66-2808	SPST ON-OFF FLAT KEY SWITCH

RECTANGLE ILLUMINATED LED PANEL LAMPS
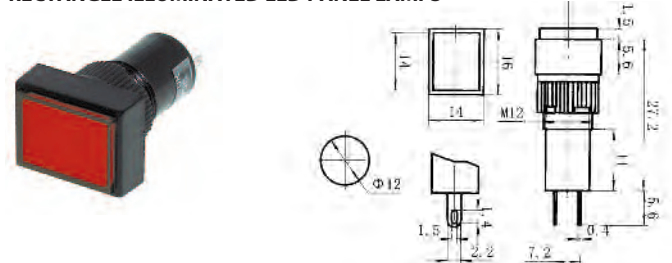
PART #	DESCRIPTION	VOLTAGE
NN12RR	RED PANEL LAMP 12mmØ	3-12VDC
NN12RBL	BLUE PANEL LAMP 12mmØ	3-12VDC
NN12RGR	GREEN PANEL LAMP 12mmØ	3-12VDC
NN12ROR	AMBER PANEL LAMP 12mmØ	3-12VDC

ROUND ILLUMINATED LED PANEL LAMPS
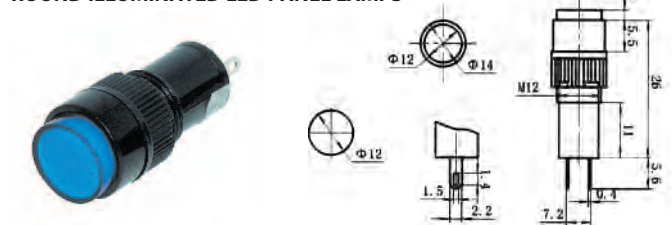
PART #	DESCRIPTION	VOLTAGE
NN12CR	RED PANEL LAMP 12mmØ	3-12VDC
NN12CBL	BLUE PANEL LAMP 12mmØ	3-12VDC
NN12CGR	GREEN PANEL LAMP 12mmØ	3-12VDC
NN12COR	AMBER PANEL LAMP 12mmØ	3-12VDC

SQUARE ILLUMINATED LED PANEL LAMPS
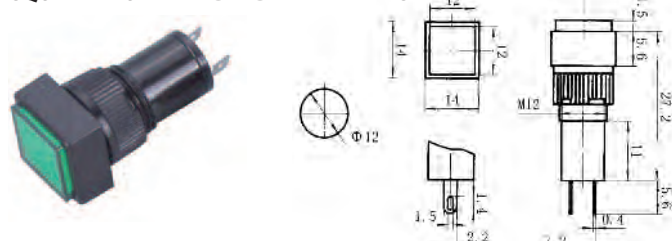
PART #	DESCRIPTION	VOLTAGE
NN12SR	RED PANEL LAMP 12mmØ	3-12VDC
NN12SBL	BLUE PANEL LAMP 12mmØ	3-12VDC
NN12SGR	GREEN PANEL LAMP 12mmØ	3-12VDC
NN12SOR	AMBER PANEL LAMP 12mmØ	3-12VDC

RECTANGLE ILLUMINATED LED PANEL LAMPS
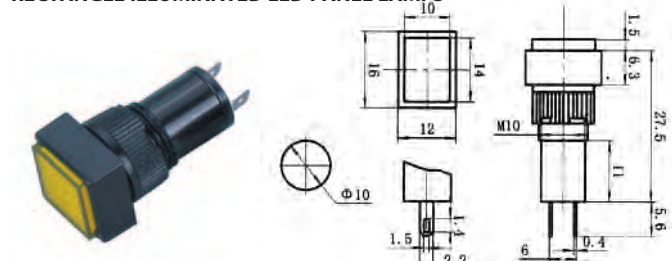
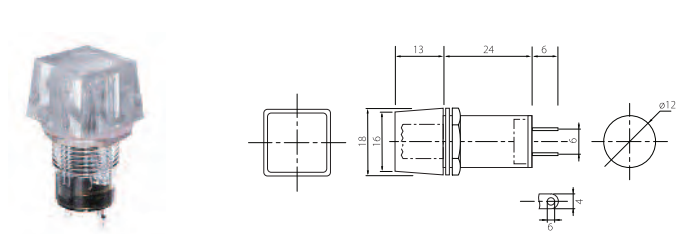| PART #	DESCRIPTION	VOLTAGE
NN10RR	RED PANEL LAMP 10mmØ	3-12VDC
NN10RBL	BLUE PANEL LAMP 10mmØ	3-12VDC
NN10RGR	GREEN PANEL LAMP 10mmØ	3-12VDC
NN10ROR	AMBER PANEL LAMP 10mmØ	3-12VDC

ROUND ILLUMINATED LED PANEL LAMPS
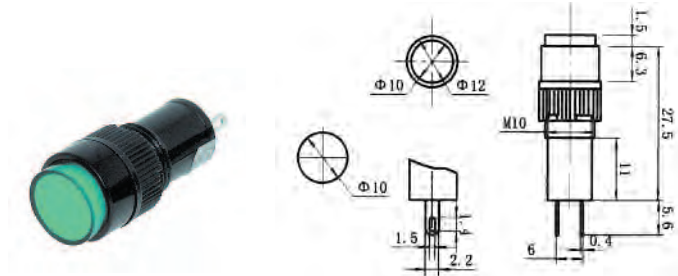
PART #	DESCRIPTION	VOLTAGE
NN10CR	**RED** PANEL LAMP 10mmØ	3-12VDC
NN10CBL	**BLUE** PANEL LAMP 10mmØ	3-12VDC
NN10CGR	**GREEN** PANEL LAMP 10mmØ	3-12VDC
NN10COR	**AMBER** PANEL LAMP 10mmØ	3-12VDC

SQUARE ILLUMINATED LED PANEL LAMPS
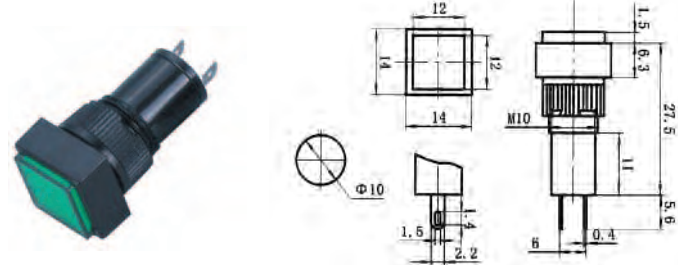
PART #	DESCRIPTION	VOLTAGE
NN10SR	**RED** PANEL LAMP 10mmØ	3-12VDC
NN10SBL	**BLUE** PANEL LAMP 10mmØ	3-12VDC
NN10SGR	**GREEN** PANEL LAMP 10mmØ	3-12VDC
NN10SOR	**AMBER** PANEL LAMP 10mmØ	3-12VDC

SQUARE ILLUMINATED LAMP

PART #	DESCRIPTION	VOLTAGE
N799PA	**AMBER** Panel Lamp 12mmØ	12VDC
N799PBL	**BLUE** Panel Lamp 12mmØ	12VDC
N799PC	**CLEAR** Panel Lamp 12mmØ	12VDC
N799PG	**GREEN** Panel Lamp 12mmØ	12VDC
N799PR	**RED** Panel Lamp 12mmØ	12VDC

ROUND ILLUMINATED LAMP
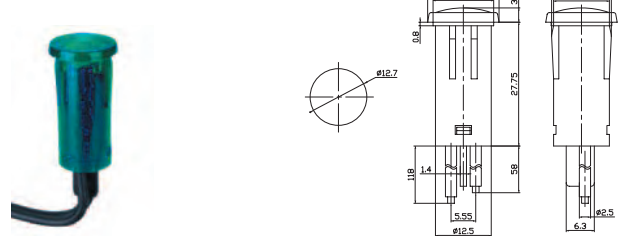
PART #	DESCRIPTION	VOLTAGE
N599PR	**RED** Panel lamp with leads 12.7mmØ	12VDC
N599PBL	**BLUE** Panel lamp with leads 12.7mmØ	12VDC
N599PG	**GREEN** Panel lamp with leads 12.7mmØ	12VDC
N599PA	**AMBER** Panel lamp with leads 12.7mmØ	12VDC
N699PR	**RED** Panel lamp with leads 12.7mmØ	120VAC
N699PBL	**BLUE** Panel lamp with leads 12.7mmØ	120VAC
N699PG	**GREEN** Panel lamp with leads 12.7mmØ	120VAC
N699PA	**AMBER** Panel lamp with leads 12.7mmØ	120VAC

CHOOSE YOUR FREIGHT PROGRAM

Freight Option 1:

• (DFI) "Deduct Freight from Invoice" freight will be added to the invoice but can be deducted when paid within terms.

Freight Option 2:

• (FFA) "Free Freight Allowance" an additional discount of 7% of the net invoice is available on all qualifying orders when shipped 3rd party billing and paid within terms.

Qualifying Orders / Regulations:

• Place an order for $1,500 net or more and you qualify for one of our two freight programs.

• Freight allowances are only permitted if the invoice is paid within terms and the account is current. • Orders must ship within the Continental United States

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