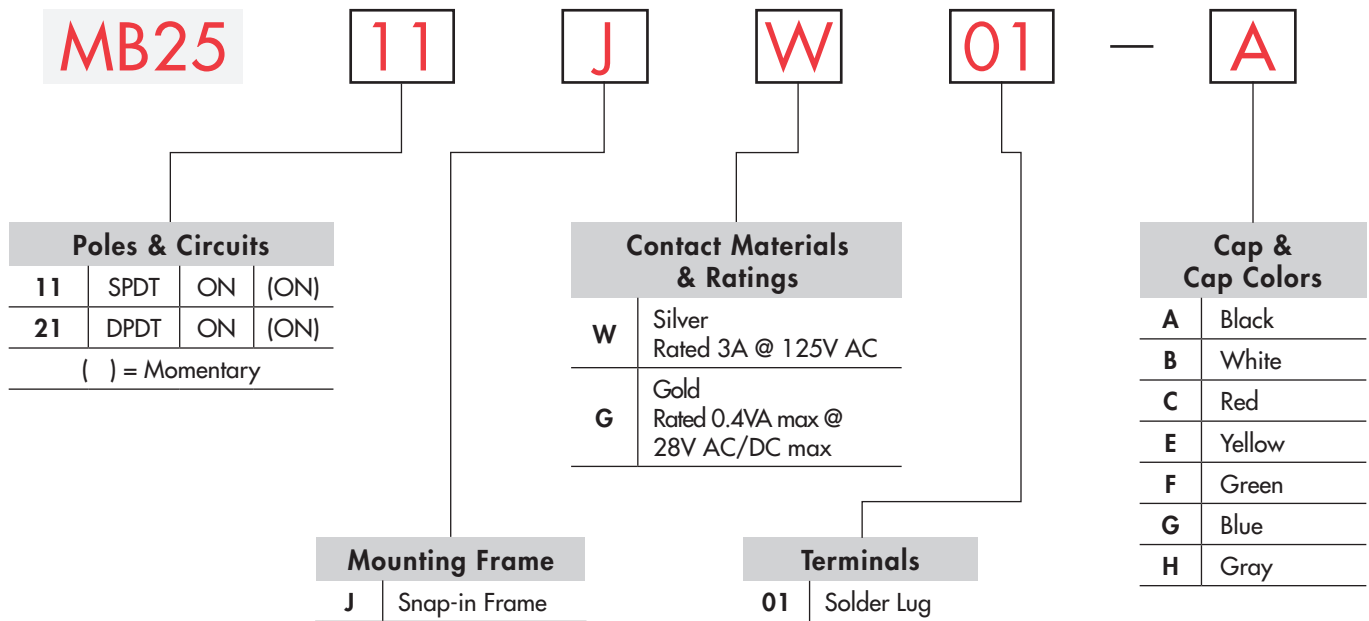


TYPICAL SWITCH ORDERING EXAMPLE



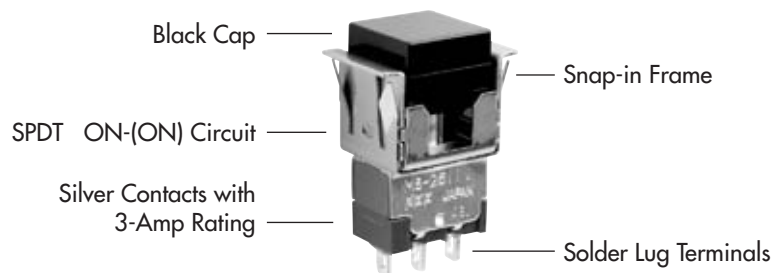
IMPORTANT:








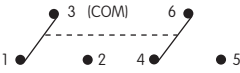
Switches are supplied without UL, cULus & CSA marking unless specified. **UL, cULus & CSA recognized only when ordered with marking on the switch.** Specific models, ratings, & ordering instructions are noted on the General Specifications page.

DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

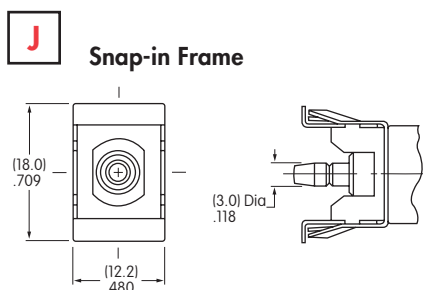
MB2511JW01-A



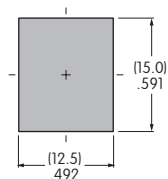
POLES & CIRCUITS

Pole	Model	Plunger Position () = Momentary		Connected Terminals		Throw & Switch Schematics
		Normal	Down	Normal	Down	
SP	MB2511	ON 	(ON) 	3-1 	3-2 	Note: Terminal numbers are not actually on the switch. SPDT 
DP	MB2521	ON	(ON)	3-1 6-4	3-2 6-5	DPDT 

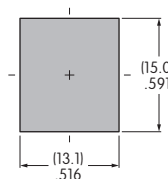
MOUNTING FRAME



Panel Cutout for Single Pole without Bezel



Panel Cutout for Double Pole without Bezel



Panel Thickness without Bezel: .039" ~ .157" (1.0mm ~ 4.0mm)
Panel Thickness with Bezel: .039" ~ .126" (1.0mm ~ 3.2mm)

CONTACT MATERIALS & RATINGS

W Silver over Silver

Power Level

3A @ 125V AC

G Gold over Brass or Copper

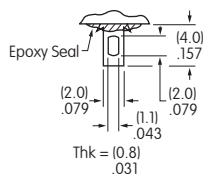
Logic Level

0.4VA maximum @ 28V AC/DC maximum

Note: Complete explanation of operating range in Supplement section.

TERMINALS

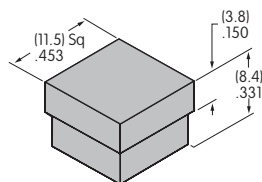
01 Solder Lug



CAP & CAP COLORS

AT465
.453" (11.5mm) Square Cap

Material: Polycarbonate
Finish: Glossy



Contact factory for matte finish.

Cap Colors Available:

A

Black

B

White

C

Red

E

Yellow

F

Green

G

Blue

H

Gray

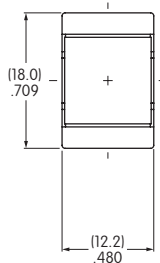
Toggles
Rockers
Pushbuttons
Illuminated PB
Programmable
Keylocks
Rotaries
Slides
Tactiles
Tilt
Touch
Indicators
Accessories
Supplement

TYPICAL SWITCH DIMENSIONS

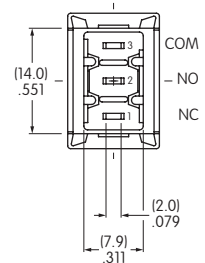
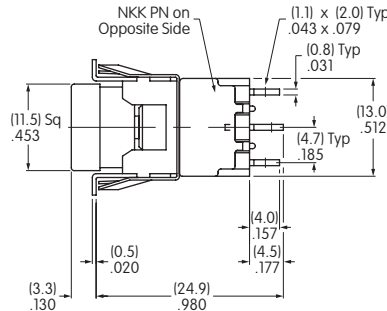
Solder Lug



MB2511JW01-A



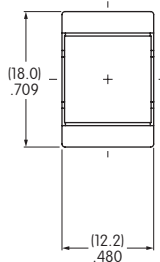
Single Pole



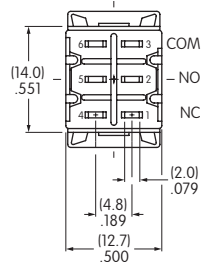
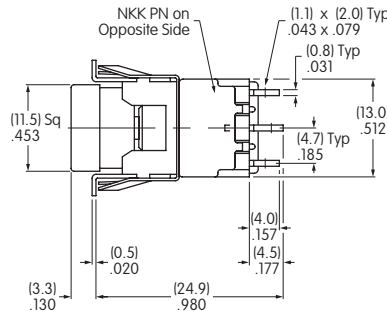
Solder Lug



MB2521JW01-C



Double Pole



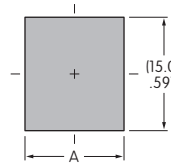
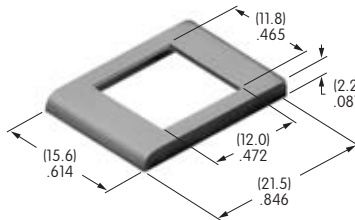
OPTIONAL SNAP-IN BEZELS & BEZEL COLORS

AT207 Bezel

Material: Polycarbonate
Finish: Glossy

Colors:
Black, White, Red, Yellow,
Green, Blue, Gray

Contact factory for matte finish.



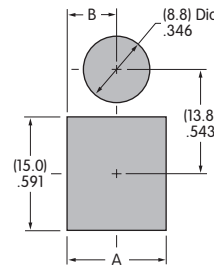
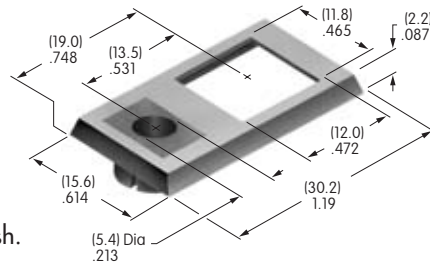
	Single Pole	Double Pole
A	(12.5mm) .492"	(13.1mm) .516"

AT208 Bezel for AT070 LED

Material: Polycarbonate
Finish: Glossy

Color: Black

Contact factory for matte finish.

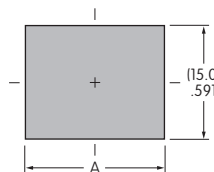
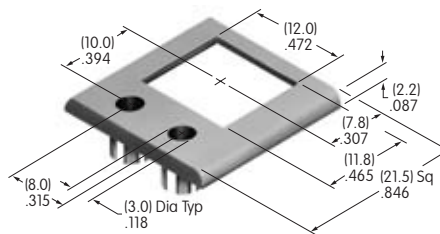


	Single Pole	Double Pole
A	(12.5mm) .492"	(13.1mm) .516"
B	(6.25mm) .246"	(6.55mm) .258"

AT212 Bezel for AT617 LED

Material: Polycarbonate
Finish: Semi-glossy

Color: Black



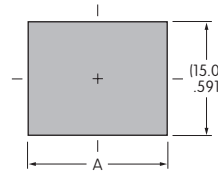
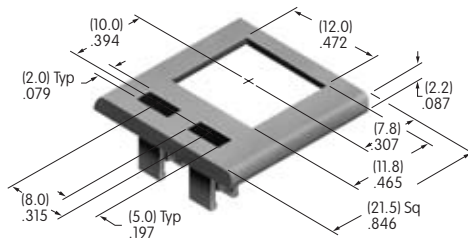
	Single Pole	Double Pole
A	(18.4mm) .724"	(18.7mm) .736"

OPTIONAL SNAP-IN BEZELS & BEZEL COLORS

AT213 Bezel for AT618 LED

Material: Polycarbonate
Finish: Semi-glossy

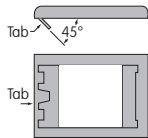
Color: Black



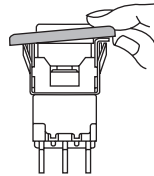
	Single Pole	Double Pole
A	(18.4mm) .724"	(18.7mm) .736"

Bezel Assembly

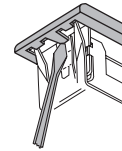
1. Pry out tab on bezel to a 45° angle.



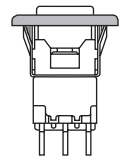
2. Insert switch frame under tab and snap on the bezel.



3. Push tab back into place.



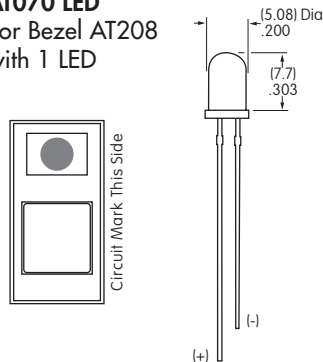
4. Snap assembled bezel and switch into panel.



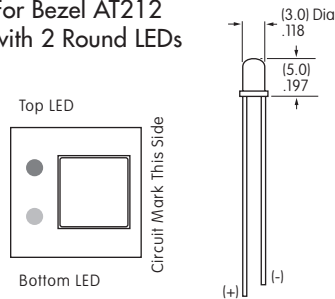
LED COLORS & SPECIFICATIONS

Bezel Orientation on Switch

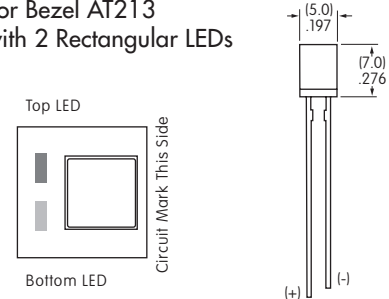
AT070 LED For Bezel AT208 with 1 LED



AT617 LED For Bezel AT212 with 2 Round LEDs



AT618 LED For Bezel AT213 with 2 Rectangular LEDs



Note: Lead lengths may differ from manufacturing lot to lot. The longer lead is the anode (+).

		AT070		AT617			AT618		
		C	F	C	E	F	C	E	F
Color		Red	Green	Red	Yellow	Green	Red	Yellow	Green
Maximum Forward Current	I_{FM}	25mA	50mA	30mA	30mA	25mA	25mA	30mA	25mA
Typical Forward Current	I_F	20mA	30mA	20mA	20mA	20mA	20mA	20mA	20mA
Forward Voltage	V_F	2.8V	2.1V	2.0V	2.1V	2.2V	2.25V	2.1V	2.2V
Maximum Reverse Voltage	V_{RM}	4V	5V	5V	5V	5V	5V	5V	5V
Current Reduction Rate Above 25°C	ΔI_F	0.33 mA/°C	0.40 mA/°C	0.40 mA/°C	0.40 mA/°C	0.33 mA/°C	0.33 mA/°C	0.40 mA/°C	0.33 mA/°C
Ambient Temperature Range (when used with a bezel)		-10° ~ +70°C		-15° ~ +70°C			-25° ~ +70°C		

The electrical specifications shown are determined at a basic temperature of 25°C.
LED circuit is independent of switch operation. LED is colored in OFF state.

If the source voltage is greater than the rated voltage of the LED, a ballast resistor must be connected in series with the LED.
The ballast resistor calculation and more lamp detail are shown in the Supplement section.