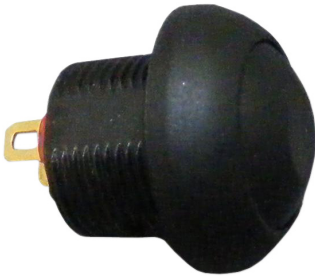


Miniature Pushbutton Switches

RoHS
Compliant








Specifications:

Max. current/voltage rating with resistive load : 400mA 32V AC, 100mA 50V DC and 125mA 125V AC
 Max. initial contact resistance : 50mΩ
 Min. insulation resistance : 1GΩ at 500V DC
 Dielectric strength : 1,000V AC rms
 Electrical life at full load : 500,000 cycles

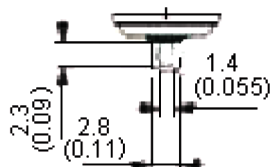
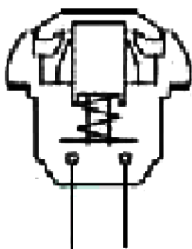
Panel Thickness:

-B1 series : 0.8mm (0.031 inches) min. and 1.8mm (0.071 inches) max.
 -B2 series : 1.5mm (0.059 inches) min. and 4mm (0.157 inches) max.
 Total travel : 1.5mm (0.59 inches)
 Operating force : 2N to 5N
 Contact bounce : 10ms
 Mechanical life : 1,000,000 cycles
 Max. torque : 1.5 Nm applied to nut
 Max. soldering : 300°C for 3 seconds

Switch Function

Number Poles	Switch Function		Connected Terminals			Model Number
	Position 1	Position 2	Position 1	Position 2	Schematic	
SP						PAS6

Pole Options



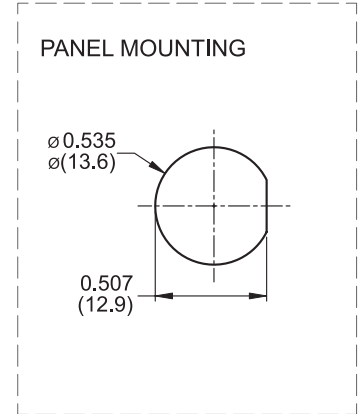
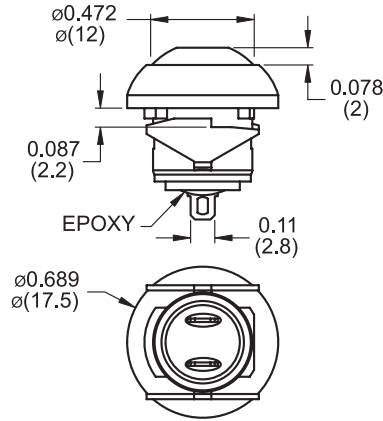
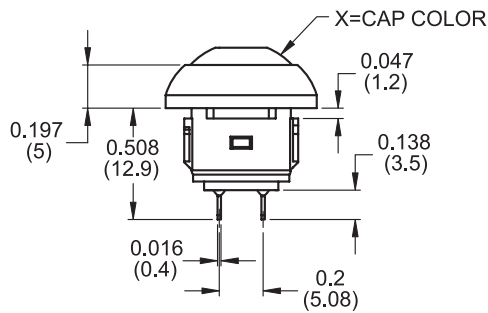
Dimension : Millimetres (Inches)

Features:

- Eight plunger colours
- Flat plunger top allowing marking
- Antirotation bushing
- New solder lug terminal

Miniature Pushbutton Switches

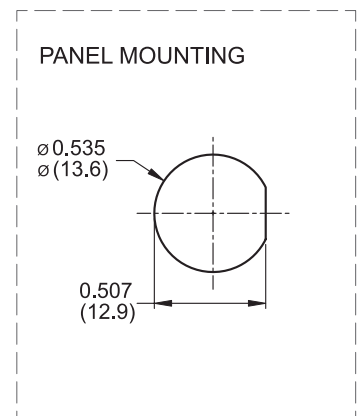
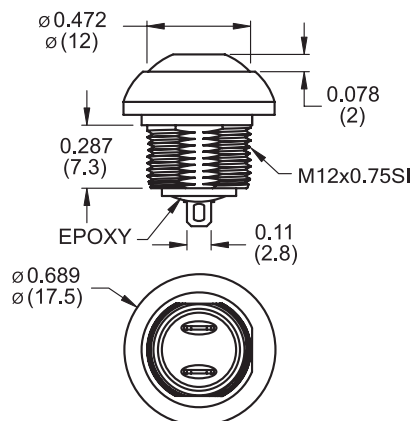
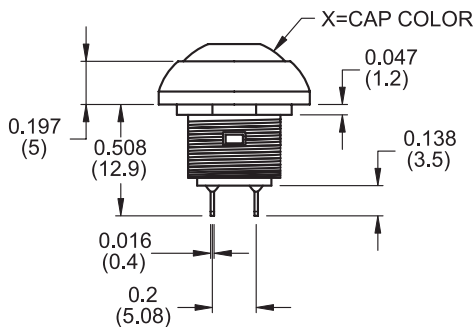
Snap-in Mounting



Panel Thickness : 0.8mm to 1.8mm

Dimension : Inches (Millimetres)

Mounting by Threaded Bushing



Panel Thickness : 1.5mm to 4mm

Dimension : Inches (Millimetres)

Soldering Processes:

Manual soldering : Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder

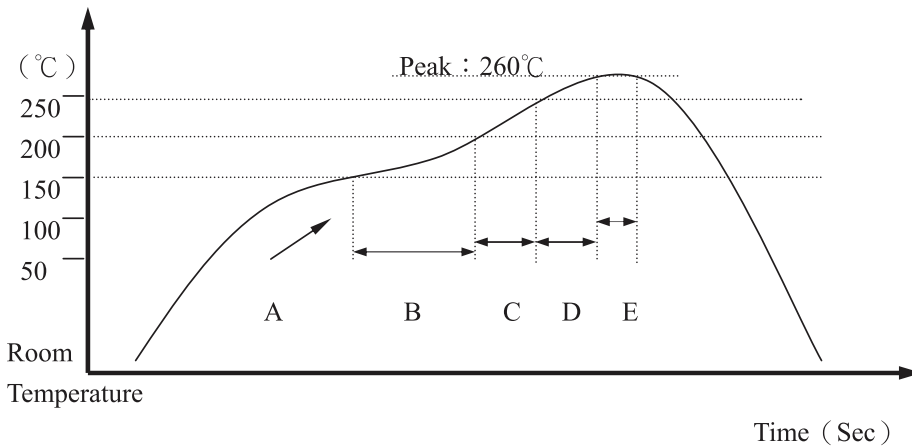
Wave soldering : Recommended soldering temperature : 260 ±5°C
Duration of solder Immersion : 5 ±1 seconds
(PCB is 1.6 mm in thickness)

Soldering : Vapor phase

Miniature Pushbutton Switches

Temperature Profile

Zone	Room Temperature (°C)	Time (Seconds)
Pre-heat (A)	150	Minimum 120s
Soak (B)	180 to 200	Minimum 150s
Peak (C)	200 to 235	Minimum 30s
Peak (D)	235 to 260	Minimum 40s
Peak (E)	260	Maximum 10s



Part Number Table

Description	Part Number
Switch, Push Button, SPST, IP67, Black	MCPAS6B2M1CE2

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