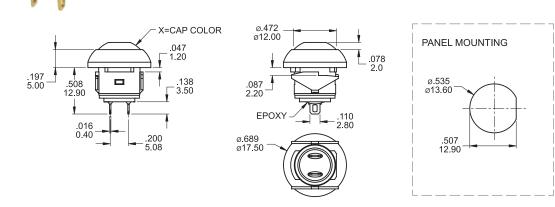
MCPA Series Sub-Miniature Pushbutton Switches

multicomp

Specification:

Max. Current/Voltage Rating With Resistive Load: MCPAS6 400mA 32V AC-100mA 50V DC-125mA 125V AC 500mA 48V AC - 200 mA 50V DC - 200mA 250V AC Initial Contact Resistance : 50mΩ Max. Insulation Resistance :1G Ω Min. at 500V DC **Operating Temperature** : -30°C to +85°C **Dielectric Strength** : 1,000 V AC rms : 1,500 V AC rms. for metal material **Electrical Life at Full Load:** MCPAS6 : 500,000 cycles **Panel Thickness:** MCPAS6-B1 series : 0.8 mm (.031) Min. -1.8 mm (.071) Max MCPAS6-B2 series : 1.5 mm (.059) Min. -4 mm (.157) Max **Total Travel:** MCPAS6 : 1.5mm (0.59) **Operating Force** : 2N to 5N Contact Bounce :10ms Mechanical Life :1,000,000 Cycles Torque : 0.5Nm Max. applied to nut, 1.5Nm Max. For Metal Material Soldering : 350°C Max. for 5 seconds

MCPAS6-B1-M1CES



Dimensions : Inches (Millimetres)



RoHS Compliant

www.farnell.com www.newark.com

www.element14.com

SPST

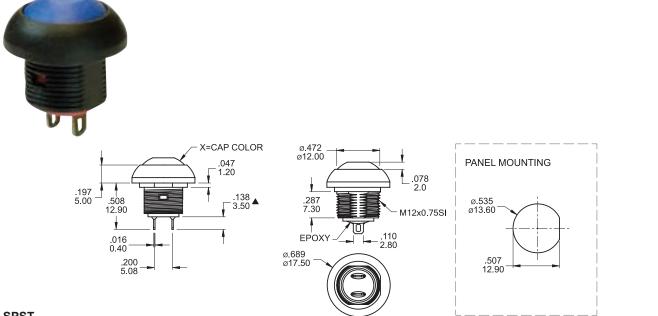
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Dimensions : Inches (Millimetres)

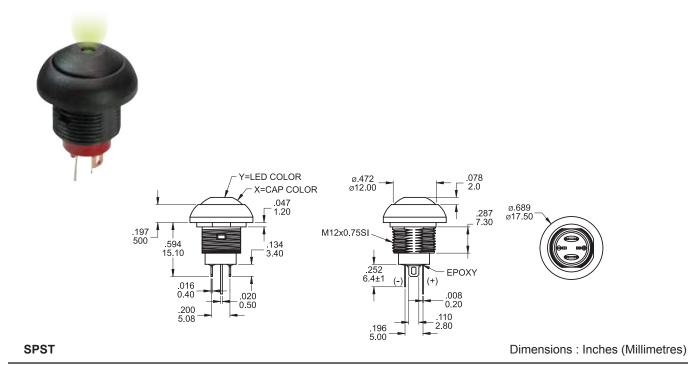
MCPA Series Sub-Miniature Pushbutton Switches

MCPAS6-B2-M1CES



SPST

MCPAS6-B2-M1CES



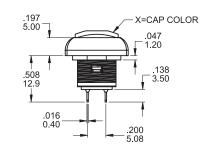


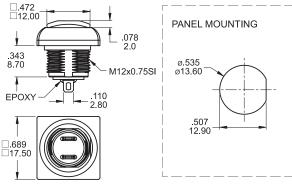
MCPA Series Sub-Miniature Pushbutton Switches

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MCPAS6-D1-M1CES







Dimensions : Inches (Millimetres)

SPST

Switch Function

No. Poles	Model No.	Switch Function		Connected	Schematic	
		Pos.1	Pos.2	Pos.1	Pos.2	Schematic
SP	MCPAS6	1	1	1	1	ł
		Off	МОМ	Open	1-3	

MOM=MOMENTARY

Manual Soldering

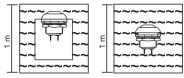
Soldering Processes:

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

Wave Soldering: Recommended Soldering Temperature Duration of Solder Immersion

- : 260 ± 5°C : Max 5 sec.
- (PCB is 1.6mm in thickness)

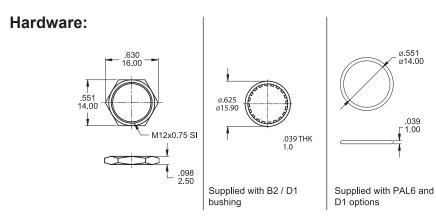
IP 67 for the whole series: Protected against the effects of immersion up to 1m water (30mm)

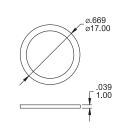




MCPA Series Sub-Miniature Pushbutton Switches







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.039 1.00

Dimensions : Inches (Millimetres)

With LED Electro-Optical Data:

Model No.	Lens Appearance	Colour		Electro-potical Data (at 20mA)					Viewing
				Vf (V)		lv (mcd)		Peak Wavelength	Angle
				Тур.	Max.	Тур.	Min.		2/1/2 (deg)
MCPAS6	Water Clear	Super White		2.8	3.3	200	100	X / Y=0.27	
		Super Red		2	2.5	700	200	645	
		Yellow		2.1	2.6	100	55	589	
		Green		2.2	2.7	130	70	565	
		Super Blue		3.1	3.6	580	250	460	
		Super Yellow (Super Green)	Y	2	2.6	475	210	590	35°
			G	2	2.6	210	140	570	
		Super Yellow (Super Blue)	Y	2.1	2.6	200	94	590	
			В	3.2	3.6	200	94	460	
		Super Yellow (Super Red)	Y	2.1	2.6	100	63	590	
			R	2	2.6	90	42	630	
		Super Red (Super Green)	R	2	2.6	90	42	630	
			G	2	2.6	90	42	570	
		Super Red (Super Blue)	R	2	2.6	90	42	630	
			В	3.2	3.6	200	94	460	
		Super Green (Super Blue)	G	2	2.6	100	42	570	
			В	3.2	3.6	200	94	460	



Supplied standard with B1/B2 options

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Part Number Table

Description	Part Number			
Switch, Round, Illum, Red	MCPAS6-B1-M1CES2-5L3			
Switch, Round, Illum Dot, Yellow	MCPAS6-B1-M1CES2-5L5			
Switch, Round, Illum Dot, Green	MCPAS6-B1-M1CES2-5L6			
Switch, Round, Illum Dot, Blue	MCPAS6-B1-M1CES2-5L7			
Switch, Round, Illum Dot, Red	MCPAS6-B2-M1CES2-5L3			
Switch, Round, Illum Dot, Yellow	MCPAS6-B2-M1CES2-5L5			
Switch, Round, Illum Dot, Green	MCPAS6-B2-M1CES2-5L6			
Switch, Round, Illum Dot, Blue	MCPAS6-B2-M1CES2-5L7			
Switch, Square, White	MCPAS6-D1-M1CES1-5			
Switch, Square, Black	MCPAS6-D1-M1CES2-5			
Switch, Square, Red	MCPAS6-D1-M1CES3-5			
Switch, Square, Yellow	MCPAS6-D1-M1CES5-5			
Switch, Square, Green	MCPAS6-D1-M1CES6-5			
Switch, Square, Blue	MCPAS6-D1-M1CES7-5			

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