

Slide Switches

Miniature



Specifications:

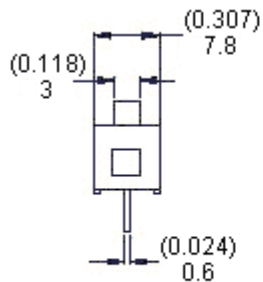
Maximum Contact Rating	: 0.4 (VA) maximum at 20 V maximum (AC or DC)
Mechanical Life	: 20,000 cycles
Maximum Initial Contact Resistance	: 50 mΩ
Minimum Insulation Resistance	: 1,000 MΩ
Dielectric Strength	: 1,000 V RMS at sea level
Operating Temperature	: -40°C to 80°C
Minimum Load	: 10 mA, 50 mV
Breaking Capacity	: 100 mA, 30 V dc with resistive load

Materials

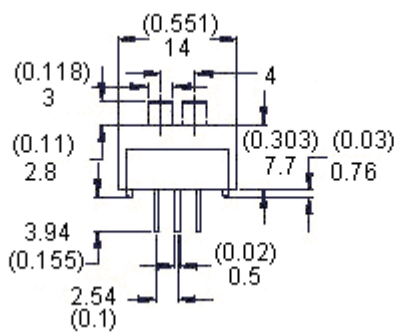
Case	: Nylon, white
Housing	: Nylon, black
Actuator	: Nylon, black
Contacts / Terminals	: Copper alloy, with gold plated

Pole Option

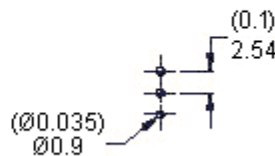
M1RE



SPDT

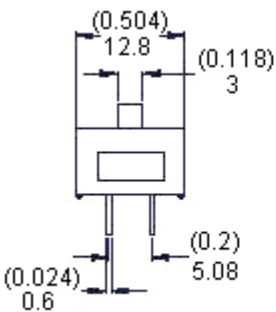


PCB Mounting

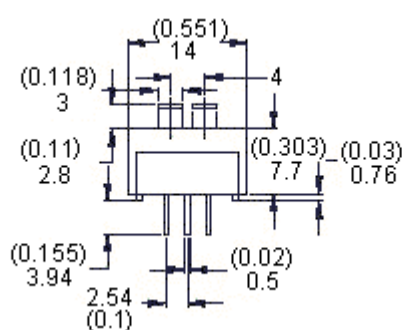


Dimensions : Millimetres (Inches)

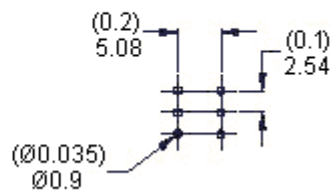
M2RE



DPDT



PCB Mounting



Dimensions : Millimetres (Inches)

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Soldering Process :

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

Wave Soldering :

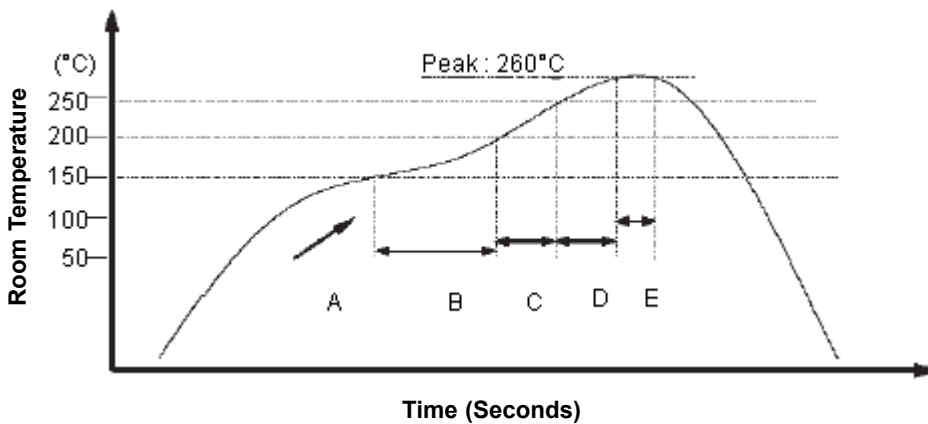
Recommended Soldering Temperature : 260 ±5°C

Duration of solder immersion : 5 ±1 seconds (PCB is 1.6 mm in thickness)

Soldering :

: Vapour phase

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



Specification Table

Number of Poles	Switch Function			Connected Terminals			Schematic	Model Number
	Position 1	Position 2	Position 3	Position 1	Position 2	Position 3		
SP								6MS1
DP	On	None	On	2 - 1, 5 - 4	Open	2 - 3, 5 - 6		6MD1

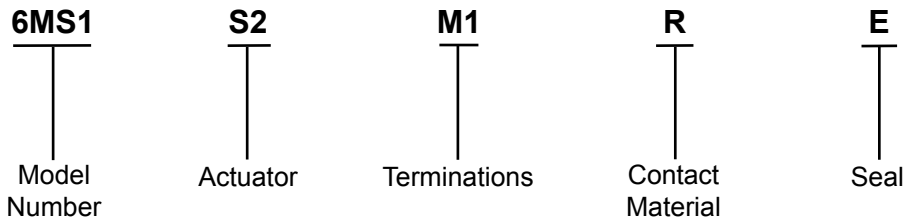
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Part Number Table

Description	Part Number
Switch, Slide, SPDT, On-On	6MS1S2M1RE
Switch, Slide, DPDT, On-On	6MD1S2M2RE
Switch, Slide, SPDT, On-On	6MS1S4M1RE
Switch, Slide, DPDT, On-On	6MD1S4M2RE
Switch, Slide, SPDT, R / A, On-On	6MS1S3M1RE
Switch, Slide, DPDT, R / A, On-On	6MD1S3M2RE

Part Number Explanation :



Model Number	: 6MS1 = SP On-None-On and 6MD1 = DP On-None-On
Actuator	: S2 = 2.8 high, S3 = Side and S4 = 6 high
Terminations	: M1 = SPDT - PC Through Hole and M2 = DPDT - PC Through Hole
Contact Material	: R = Gold
Seal	: E = Epoxy (std)

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