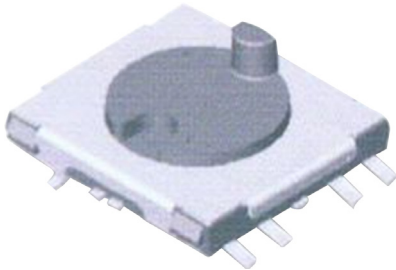


Rotary Switch



Specifications:

Terminal Type	: SMD
External Depth	: 11mm
External Length / Height	: 2mm
External Width	: 11.5mm
Angle of Throw	: 45°
Series	: MCSRM

Mechanical:

Maximum mechanical life	: 200mΩ, 10,000 cycles
Operation force	: N = 130 ±50gf B = 40 ±30gf

Environmental:

Operating temperature	: -20°C to +80°C
Storage temperature	: -40°C to +85°C

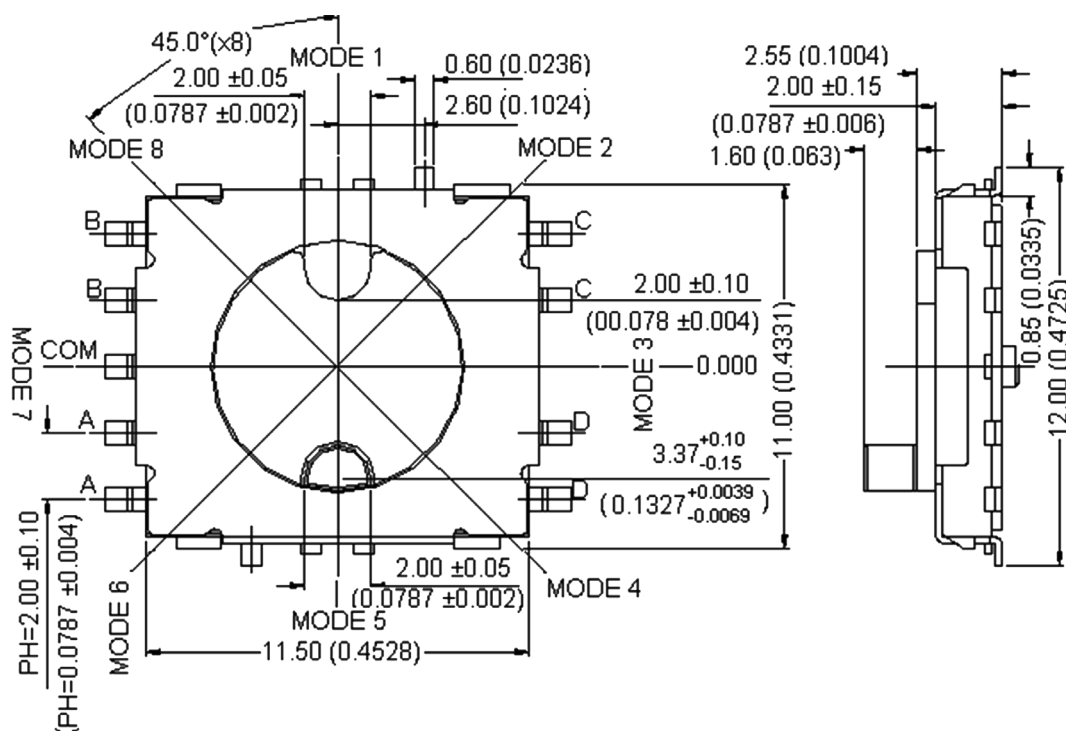
Electrical:

Maximum electrical life	: 200mΩ, 10,000 cycles
Switching rating	: 25mA, 24V DC
Maximum contact resistance	: (a) 70mΩ (initial) : (b) 200mΩ (final)
Minimum insulation resistance	: 100MΩ at 500V DC
Voltage proof	: 300V AC for 1 minute

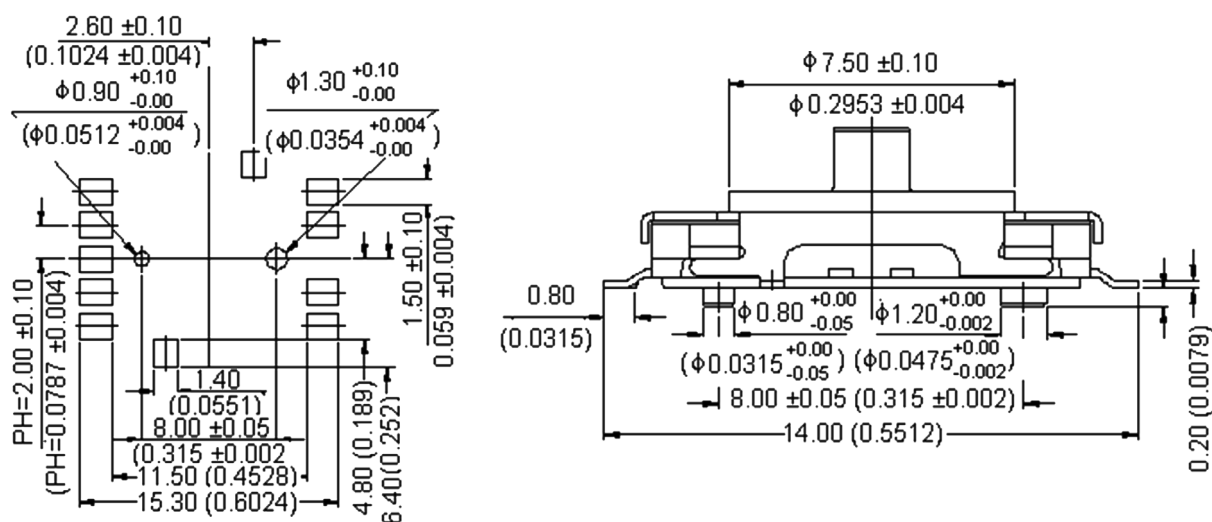
Materials:

Cover	: Nickel silver
Colour	: Black
Contact	: Alloy copper
Spring plate	: Stainless steel
Terminal	: Brass with silver plated

Rotary Switch



Dimensions : Millimetres (Inches)

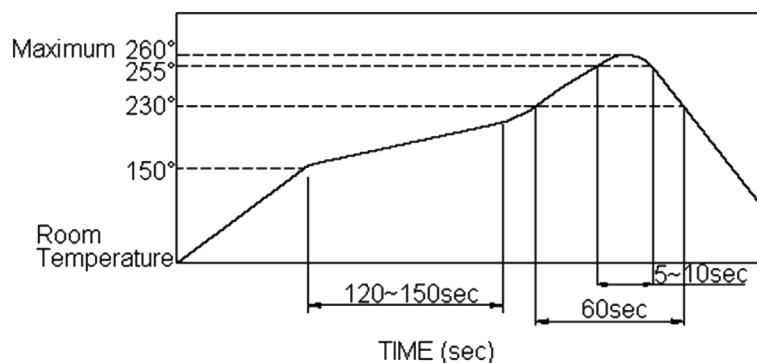


Dimensions : Millimetres (Inches)

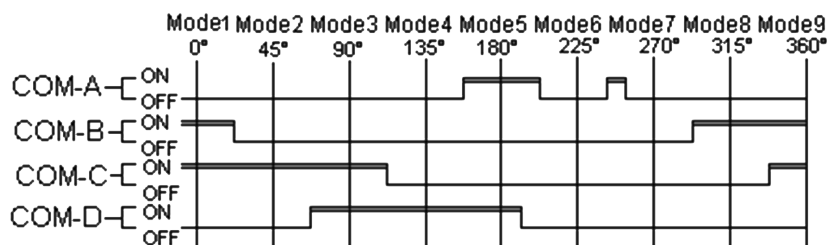
Rotary Switch



Reflow Temperature Profile



Changeover Timing



Changeover Angle

	Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6	Mode 7	Mode 8
COM-A	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
COM-B	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON
COM-C	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
COM-D	OFF	OFF	ON	ON	ON	OFF	OFF	OFF

Soldering Process:

Hand Soldering : Use a sold iron of 30 watts, controlled at 350°C approximately 5 seconds while applying.

Reflow Soldering : When applying reflow soldering, the peak temperature or the reflow over should be set at 260°C maximum

Part Number Table

Description	Part Number
Rotary Switch, 7 Circuit	MCSRM-8R7G
Rotary Switch, 8 Circuit	MCSRM-8R8G

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