

Navigation Switch

Multidirectional



Specifications:

Mechanical:

Operating Force	: 4-direction: 160gf
Center Push	: 320gf
Stroke	: 4-direction: 5° + 2.5° / -1.5° mm
Center Push	: 0.25+0.1/-0.2mm
Operating Temperature Range	: -25°C to +85°C

Electrical:

Electrical Life	: 100,000 cycle.
Rating	: 50mA, 12V DC
Maximum Contact Resistance	: 100mΩ
Minimum Insulation Resistance	: 100MΩ at 100V DC
Dielectric Strength	: 250V AC/1 minute
Contact Arrangement	: 1 pole 1 throw

Material:

Base	: Nylon high-temperature thermoplastic
Colour	: Black
Cover	: Nickel silver
Centre Stem	: Nylon high-temperature thermoplastic
5 Directions Colour	: Black
4 Directions Colour	: Brown
Four Way Stem	: Nylon high-temperature thermoplastic
Contact	: Stainless with silver cladding
Terminal	: Brass with silver plated

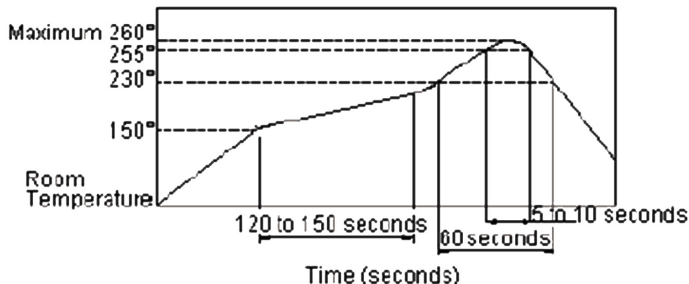
Soldering Process:

Hand Soldering	: Use a soldering iron of 30W, 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 to 260°C maximum

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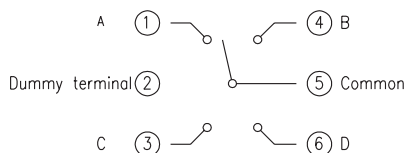


Temperature Profile:

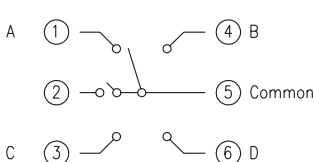


Circuit Diagram:

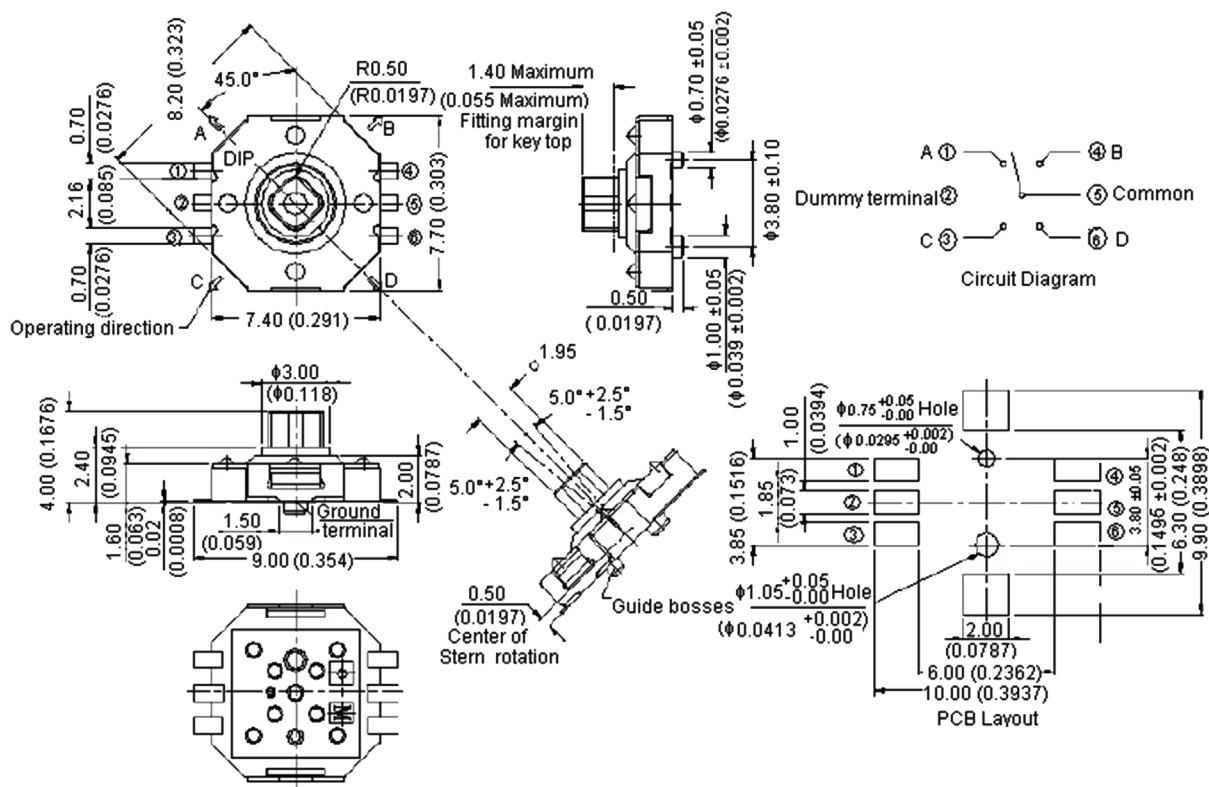
MCMT4



MCMT5



MCMT4



Dimensions : Millimetres (Inches)

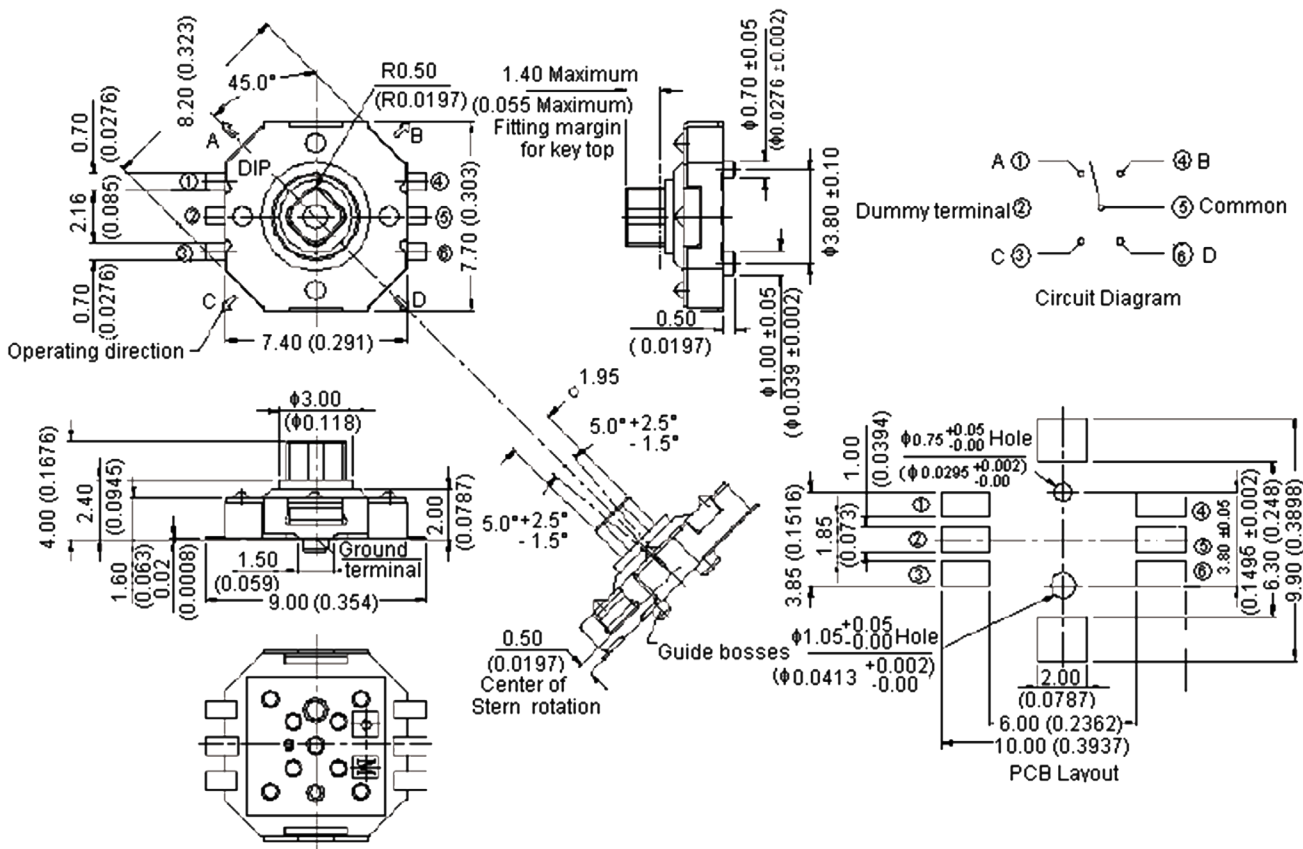
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Navigation Switch Multidirectional



MCMT5



Dimensions : Millimetres (Inches)

Part Number Table

Description	Part Number
Navigation Switch, 4 Way, SMD	MCMT4-F-V
Navigation Switch, 5 Way, SMD	MCMT5-F-V

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