

Navigation Switch

Push and Lever



Specifications:

Mechanical:

Operating force	: Center push 200 $\pm$ 100gf Lever {CW.CCW} 70 $\pm$ 50gf
Operating temperature range	: -10°C to +60°C
Storage temperature range	: -30°C to 80°C
Mechanical life	: 100,000 cycles

Electrical:

Electrical life	: 100,000 cycles
Rating	: 10mA, 5V DC
Maximum contact resistance	: 500 Ω
Minimum insulation resistance	: 100M Ω at 100V DC
Dielectric strength	: 100V AC/1 minute
Circuit	: Single pole single throw

Material:

Cover	: Stainless steel
Base	: Nylon high-temperature thermoplastic
Colour	: Black
Stem	: Nylon high-temperature thermoplastic
Colour	: Black
Contact	: Phosphor bronze with silver cladding at contact surface
Terminal	: Phosphor bronze with silver cladding at contact surface
Spring	: Stainless steel

Soldering Process:

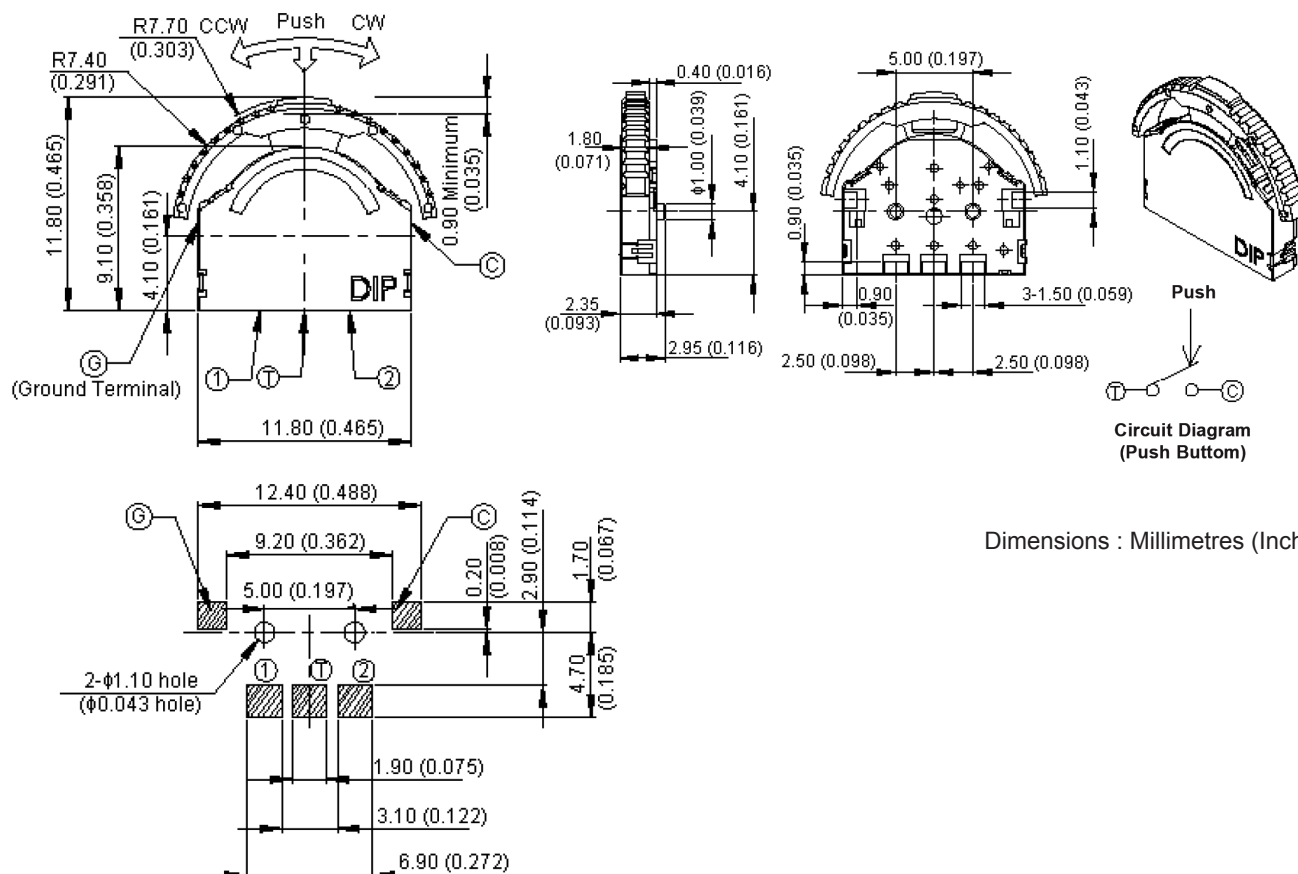
Hand Soldering : Use a soldering iron of 30 watts, controlled at 350°C approximately maximum 5 seconds while applying.

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MCPL3-AC-V



PCB Layout

Terminal \ Angle	25°	0°	25°
	(18°)		(18°)
①			
②			
③			

CCW ← → CW

Code Table

www.element14.com
www.farnell.com
www.newark.com

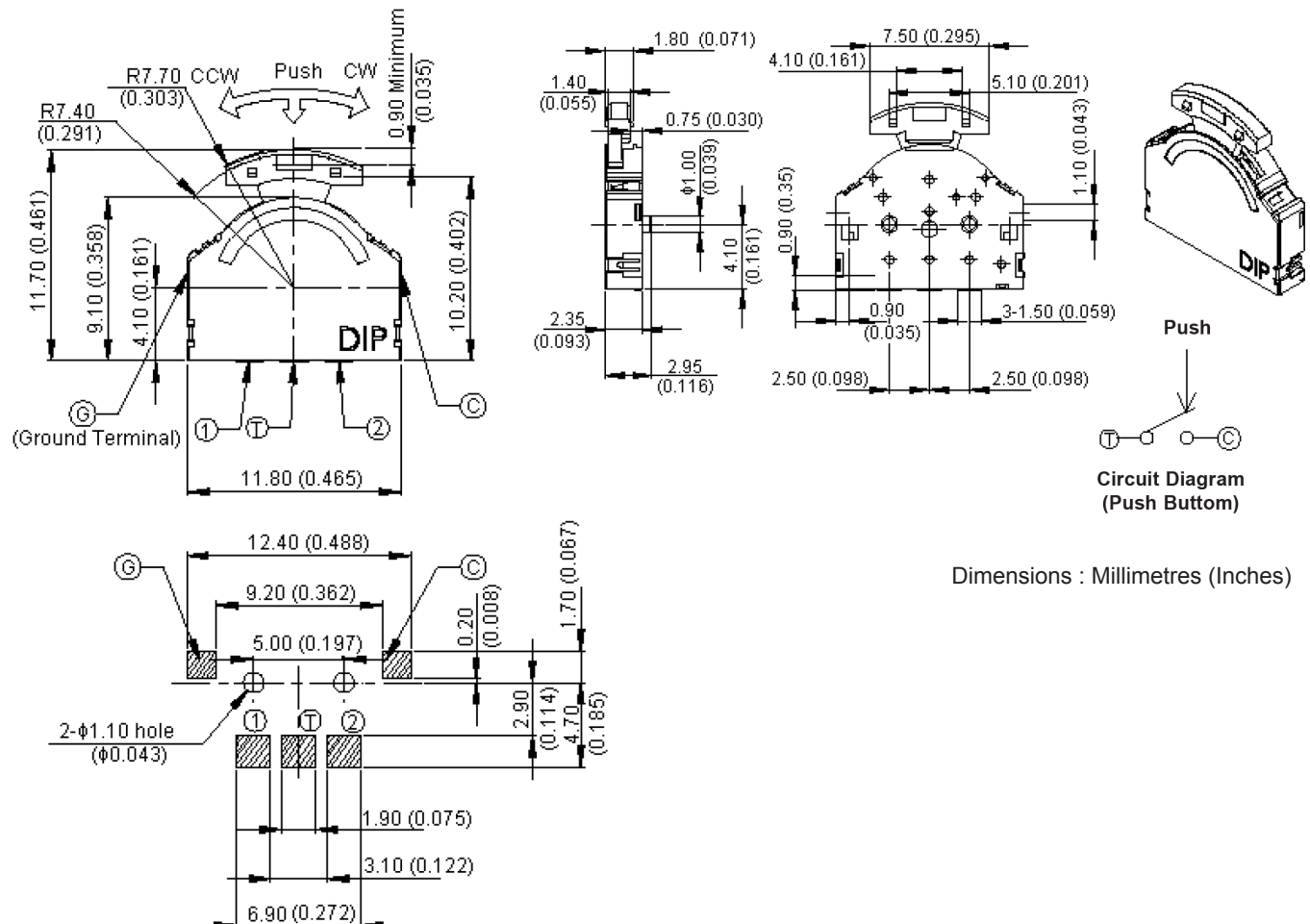


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MCPL3-BC-V



PCB Layout

Angle	25°	0°	25°
Terminal	(18°)		(18°)
①			
②			
③			

CCW ← → CW

Code Table

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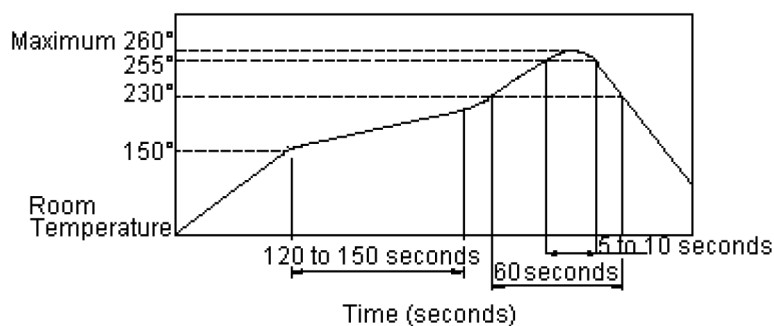


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Temperature Profile:



Part Number Table

Description	Part Number
Navigation Switch, 3 Way SMD	MCPL3-AC-V
	MCPL3-BC-V

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