



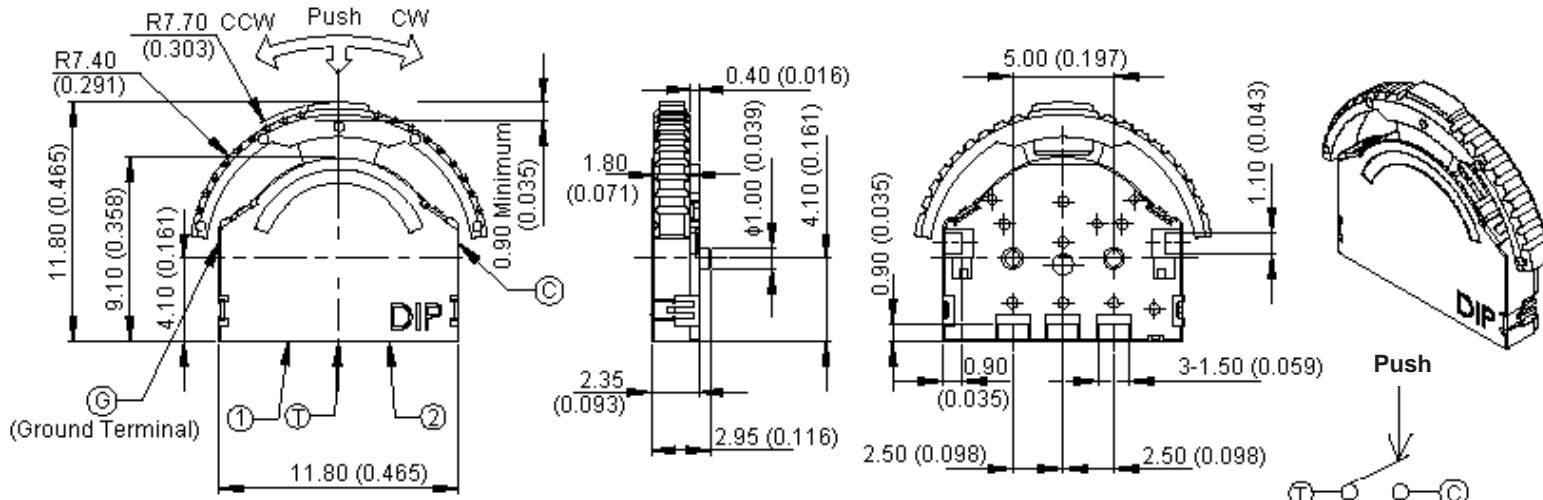
PART NO.

MCPL3 - Series

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Geetha	03/6/08	Suresh	03/6/08	G. C	17/6/08

MCPL3-AC-V

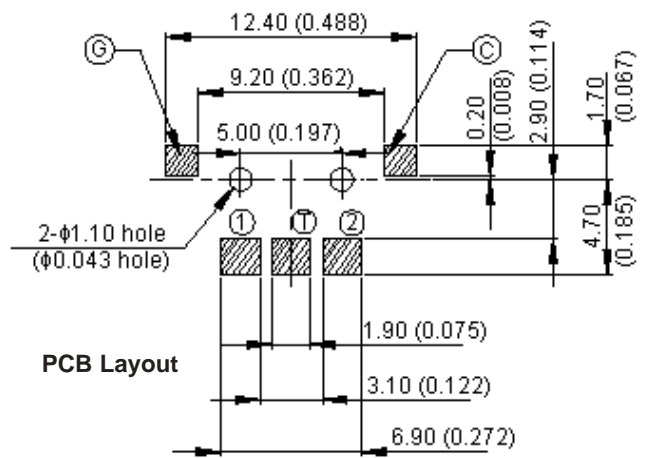


Circuit Diagram (Push Button)

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

CCW ← → CW

Code Table
Dimensions : Millimetres (Inches)



PCB Layout

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DRAWING TITLE:			
Navigation Switch - Push and Lever			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10001224	PL3-V_DWG	A
SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 1 OF 4	



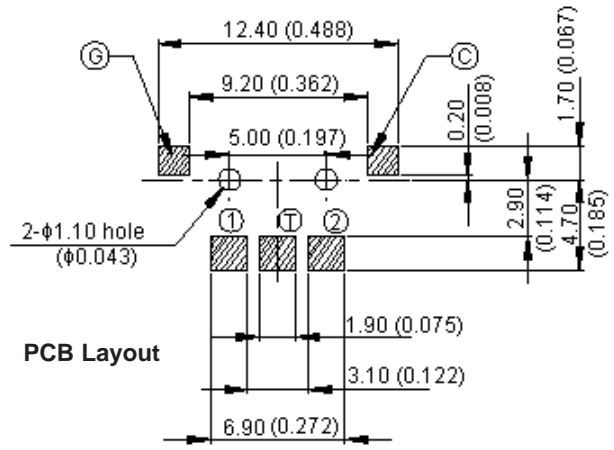
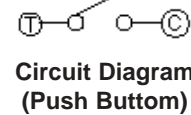
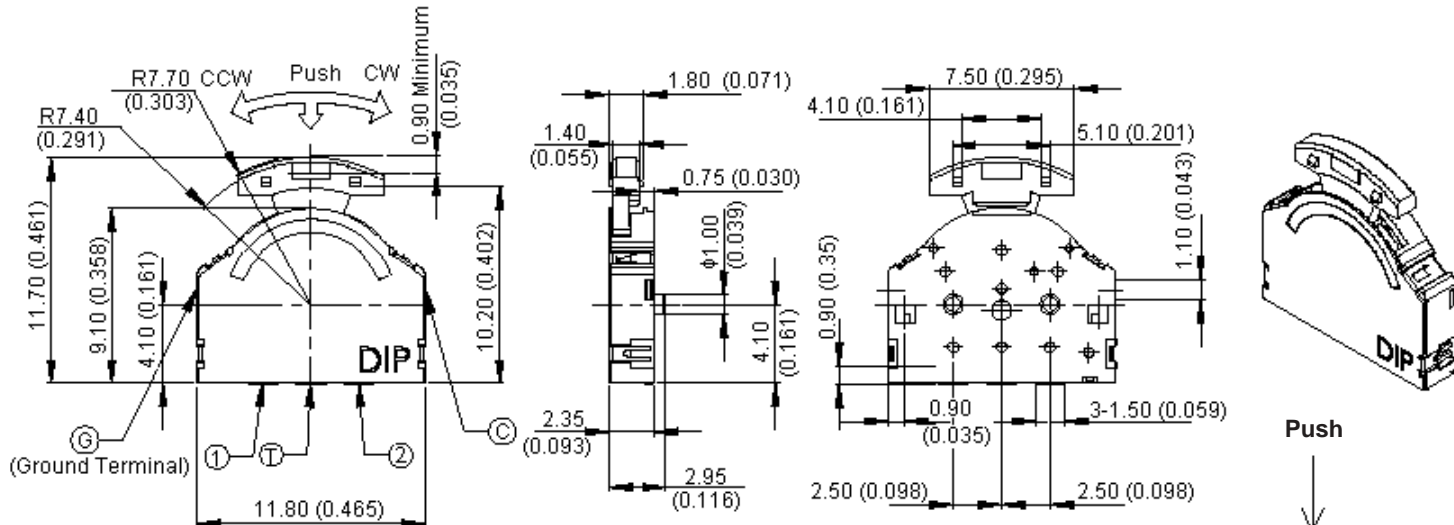
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MCPL3-BC-V



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

CCW ← → CW
Code Table

Dimensions : Millimetres (Inches)

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PART NO.

MCPL3 - Series

REVISIONS

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-	A	RELEASED	Geetha	03/6/08	Suresh	03/6/08	G. C	17/6/08

Specifications:

Mechanical:

Operating force : Center push 200 ±100gf.
Lever {CW.CCW} 70 ±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 : 500Ω.

Minimum insulation resistance : 100MΩ at 100V dc.

Dielectric strength : 100V ac/1 minute.

Circuit : Single pole single throw.

Material:

Cover : Stainless steel.

Base : Nylon high-temperature thermoplastic.
Color : Black.

Stem : Nylon high-temperature thermoplastic.
Color : 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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DRAWING TITLE:

Navigation Switch - Push and Lever

SIZE
A

DWG NO.

M10001224

ELECTRONIC FILE
PL3-V_DWG

REV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 3 OF 4



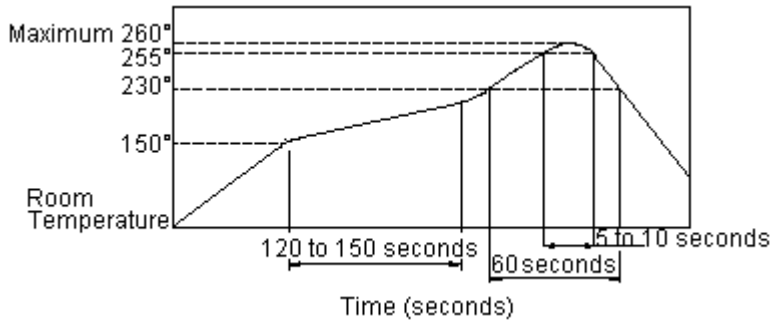
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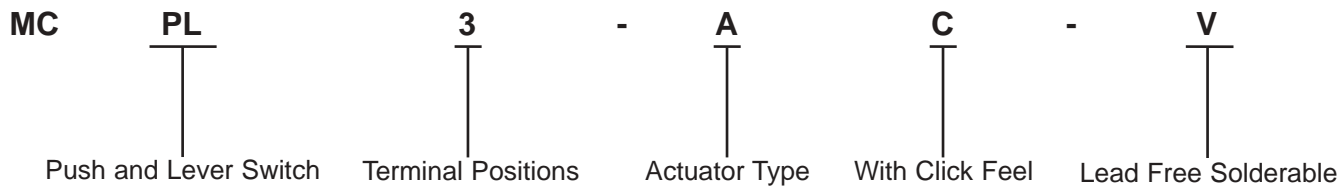
Temperature Profile:



Part Number Table

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

Part Number Explanation:



Terminal Positions : 3 = 3 Throws.
Actuator Type : A = Mounting Knob Integrated and B = Mounting Knob.

<http://www.farnell.com>
<http://www.newark.com>
<http://www.cpc.co.uk>

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