



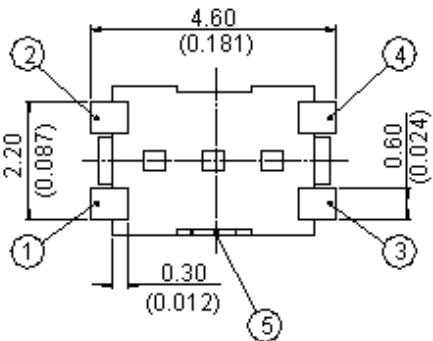
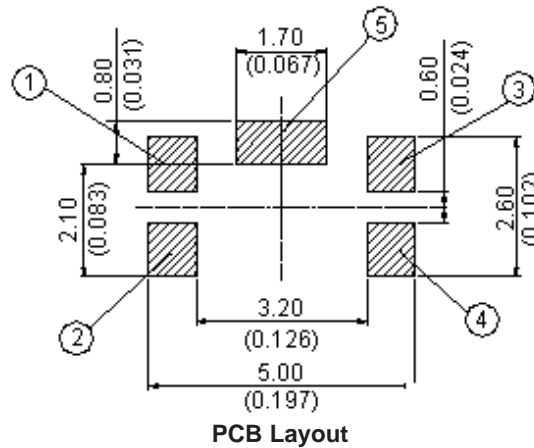
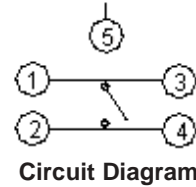
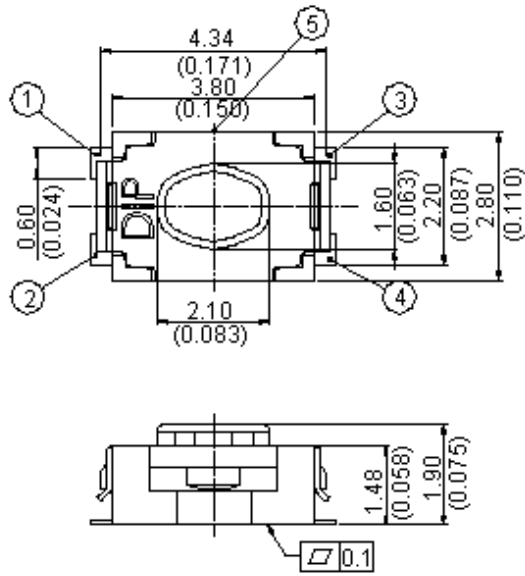
PART NO.

MCIPTG - Series

REVISIONS

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

MCIPTG



Dimensions : Millimetres (Inches)

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TOLERANCES:
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DRAWN BY:	DATE:
Veena	03/06/08
CHECKED BY:	DATE:
Suresh	03/06/08
APPROVED BY:	DATE:
G.Cook	17/06/08

DRAWING TITLE:			
Detector Switch - Card			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10001231	IPTG Switch_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 1 OF 3



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MCIPTG - Series

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Specifications:

Mechanical:

Operating force : 160 ± 50gf vertical push
 220 +80/-70gf side push.
 Stroke : 0.25 +0.2/-0.1mm.
 Operating temperature : -30°C to 80°C.
 Storage temperature : -40°C to 80°C.

Electrical:

Electrical life : 100,000 cycles.
 Rating : 50mA, 12V dc.
 Maximum contact resistance : 100mΩ.
 Minimum insulation resistance : 100MΩ at 100V dc.
 Dielectric strength : 100V ac/1 minute.

Material:

Cover : Stainless steel with silver plating.
 Spacing cover : Stainless steel.
 Stem : LCP High-temperature thermoplastic.
 Color : Black.
 Tape : Teflon.
 Contact : Stainless steel with silver plating.
 Base : LCP High-temperature thermoplastic
 Color : Black.
 Terminal : Brass, with silver plating
 Brass, gold plated.

Soldering Process:

Hand Soldering : Use a soldering iron of 30 watts, controlled at 350°C approximately maximum 5 seconds while applying.
Reflow Soldering : When applying reflow soldering, the peak temperature or the reflow oven should be set to 260°C maximum.

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Suresh	03/06/08
APPROVED BY:	DATE:
G.Cook	17/06/08

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Detector Switch - Card			
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A	M10001231	IPTG Switch_DWG	A
SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 2 OF 3



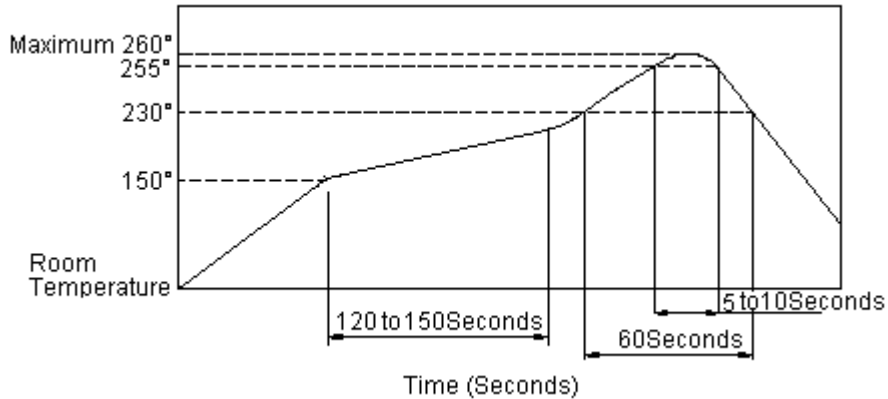
PART NO.

MCIPTG - Series

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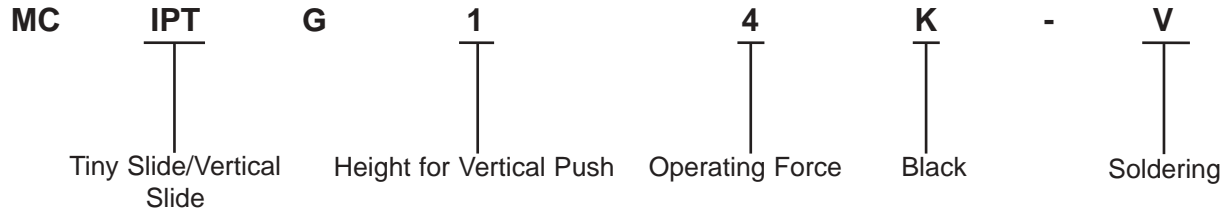
Reflow Temperature Profile:



Part Number Table

Description	Part Number
Switch, 2.8 x 3.8mm Horizontal Push	MCIPTG14K-V
Switch, 2.8 x 3.8mm Vertical Push	MCIPTG23K-V
Switch, 2.8 x 3.8mm Vertical Push	MCIPTG33K-V

Part Number Explanation:



Height for Vertical Push : 1 = Side Push, 2 = Vertical Push H : 1.90mm and 3 = Vertical Push H : 2.50mm (to be available).
Operating Force : 3 = 160gf (only for vertical push) and 4 = 200gf (only for side push).

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

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SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 3 OF 3	