



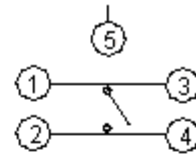
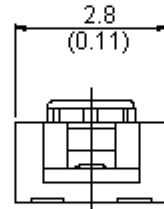
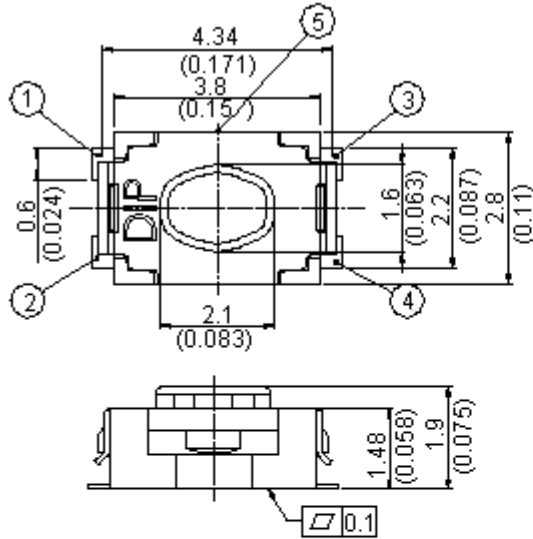
PART NO.

MCIPTG - Series

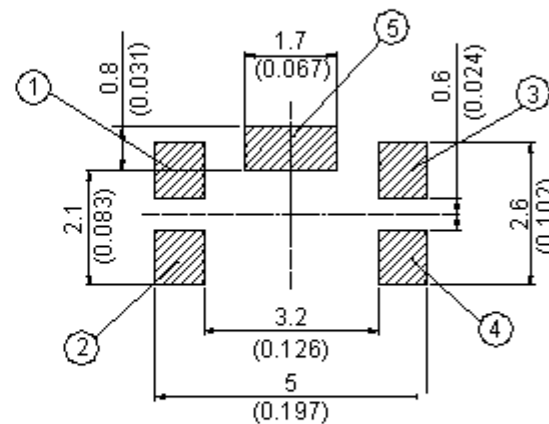
REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	SAN	13/6/12	SID	13/6/12		27/6/12

MCIPTG



Circuit Diagram



PCB Layout

Dimensions : Millimetres (Inches)

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DRAWING TITLE:

Detector Switch - Cards

SIZE
A

DWG NO.

M10001231

ELECTRONIC FILE
IPTG Switch_DWGREV
A

SCALE: NTS

U.O.M.: mm

SHEET: 1 OF 3



PART NO.

MCIPTG - Series

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Specifications:

Mechanical

Operating Force : 160 ±50 gf vertical push
220 +80 / -70 gf side push

Stroke : 0.25 +0.2 / -0.1 mm

Operating Temperature : -30°C to 80°C

Storage Temperature : -40°C to 80°C

Electrical

Electrical Life : 100,000 cycles

Rating : 50 mA, 12 V dc

Maximum Contact Resistance : 100 mΩ

Minimum Insulation Resistance : 100 MΩ at 100 V dc

Dielectric Strength : 100 V ac / 1 minute

Material

Cover : Stainless steel with silver plating

Spacing Cover : Stainless steel

Stem : LCP High-temperature thermoplastic

Colour : Black

Tape : Teflon

Contact : Stainless steel with silver plating

Base : LCP High-temperature thermoplastic

Colour : Black

Terminal : Brass, with silver plating
Brass, gold plated

Soldering Process

Hand Soldering : Use a soldering iron of 30 W, 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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ELECTRONIC FILE
IPTG Switch_DWGREV
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SHEET: 2 OF 3



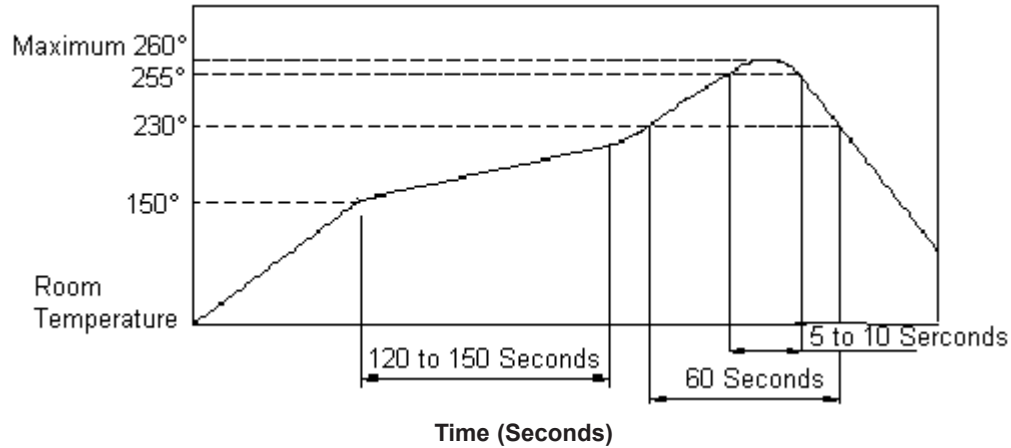
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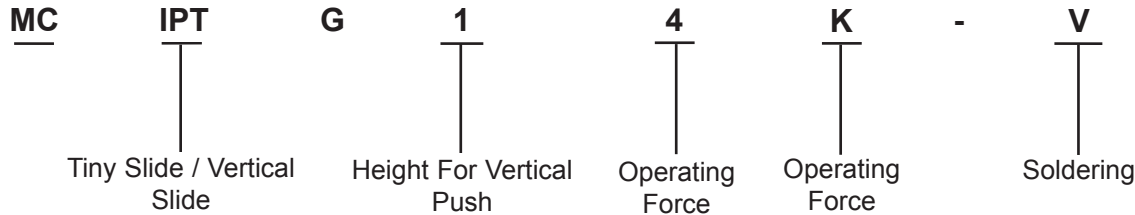
Reflow Temperature Profile



Part Number Table

Description	Part Number
Switch, 2.8 × 3.8 mm Vertical Push	MCIPTG23K-V
Switch, 2.8 × 3.8 mm Vertical Push	MCIPTG33K-V

Part Number Explanation:



Height for Vertical Push : 1 = Side Push, 2 = Vertical Push H : 1.9 mm and 3 = Vertical Push H : 2.5 mm (to be available)
Operating Force : 3 = 160gf (only for vertical push) and 4 = 200 gf (only for side push)

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SHEET: 3 OF 3