



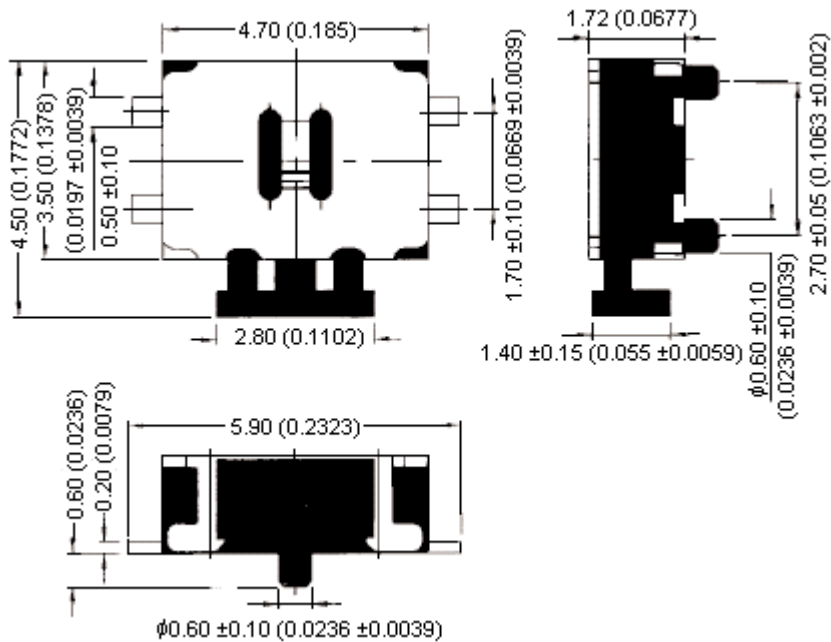
PART NO.

PTCF-T/R

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Veena	31/5/05	Shashi	31/5/05	NK	14/6/05

Side Actuated



Dimensions : Millimetres (Inches)

Features:

- Sharp click feel with positive tactile feed-back. Due to small movement distance (stroke), user experiences distinct sensation when the switch clicks into place.
- Ultraminiature and lightweight structure suitable for high density mounting. Economic but high reliability.
- Insert moulding in the contact with special treatment prevents flux build-up during soldering and permits auto-dipping.

Specifications:

Materials:

- Cover : Stainless steel.
- Contact Disc : Stainless steel.
- Terminal : Brass with silver cladding.
- Base : LCP high temperature thermoplastic.  
Colour : Black.
- Stem : LCP high temperature thermoplastic.  
Colour : Black.
- Adhesive Tape : PTFE

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Veena	31/05/05
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Shashi	31/05/05
<b>APPROVED BY:</b>	<b>DATE:</b>
NK	14/06/05

<b>DRAWING TITLE:</b>			
PTCF-T/R - Push Button Switches			
<b>SIZE</b>	<b>DWG NO.</b>	<b>ELECTRONIC FILE</b>	<b>REV</b>
A	M1000000152	35960_DWG	
<b>SCALE: NTS</b>		<b>U.O.M.: mm (Inches)</b>	<b>SHEET: 1 OF 4</b>



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**Specification:**

**Mechanical:**

Operation Force : 210 ±50gf.  
 Stop Strength : Place the switch such that vertical, a static load of 3kgf shall be applied in the direction of stem operation for a period of 15 seconds.  
 Stroke : 0.40 ± 0.15mm.  
 Operation Temperature Range : -25°C to +70°C.  
 Storage Temperature Range : -30°C to +80°C.  
 Vibration Test : MIL-STD-202F METHOD 201A.  
     Frequency : 10 -55 - 10Hz/1 minute.  
     Directions : X, Y, Z three mutually perpendicular directions.  
     Time : 2 hours each direction.  
                   High reliability.  
 Shock Test : MIL-STD-202F METHOD 213B CONDITION A.  
     Gravity : 50G (peak value) 11m seconds.  
     Direction and times : 6 sides and 3 times in each direction.  
                   High reliability.

**Electrical:**

Electrical Life : 100,000 operations cycle minimum.  
 Rating : 50mA, 12V dc.  
 Contact Resistance : 100mΩ maximum.  
 Insulation Resistance : 100MΩ minimum at 100V dc.  
 Dielectric Strength : 250V ac/1 minute.  
 Contact Arrangement : 1 pole 1 throw.

**Soldering and cleaning process:**

Hand Soldering : Use a soldering iron of 30 watts controlled at 608°F (320°C) approximately 2 seconds while applying solder.  
 Soldering : Vapour phase and IR-reflow soldering can be applied.

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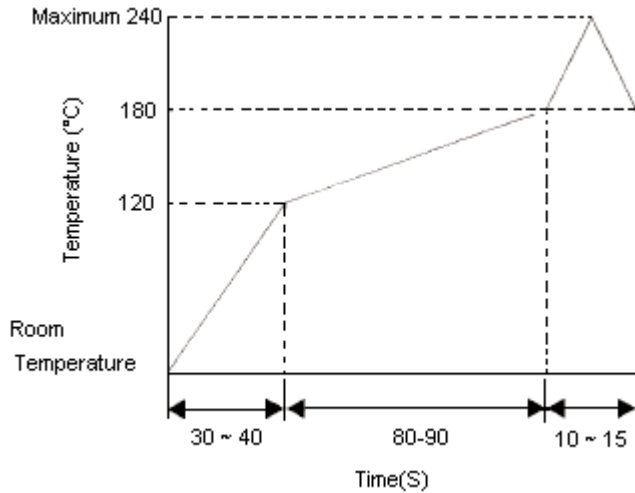
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Temperature Profile



Specification Table

Type	Package Type	Part Number
Push Button - Side Actuated	Tape and Reel	PTCF-T/R

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DRAWING TITLE:

PTCF-T/R - Push Button Switches

SIZE <b>A</b>	DWG NO. M1000000152	ELECTRONIC FILE 35960_DWG	REV
SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 3 OF 4	



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