



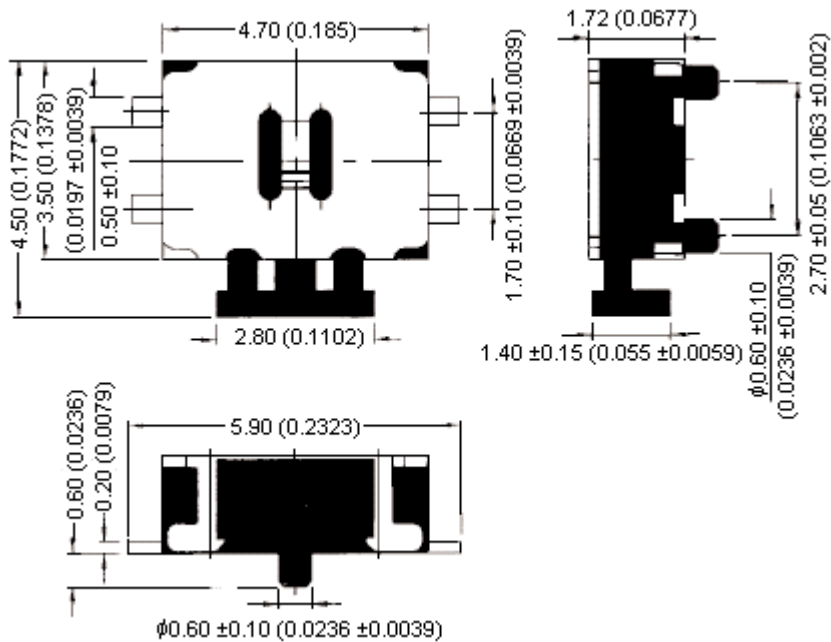
PART NO.

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 : Teflon.

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Veena	31/05/05
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NK	14/06/05

DRAWING TITLE:

PTCF-T/R - Push Button Switches

SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M1000000152	35960_DWG	
SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 1 OF 4	



PART NO.

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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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NK	14/06/05			SHEET: 2 OF 4		



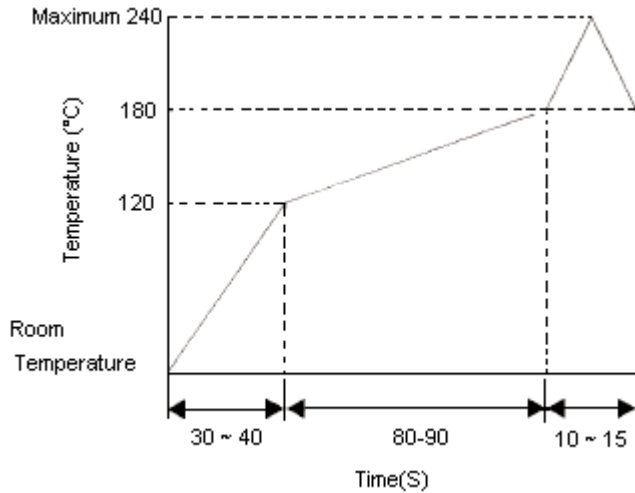
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Temperature Profile



Specification Table

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

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PTCF-T/R - Push Button Switches

SIZE A	DWG NO. M1000000152	ELECTRONIC FILE 35960_DWG	REV
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