



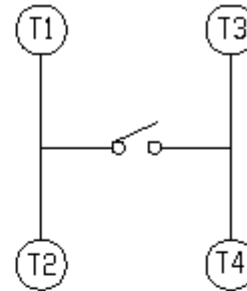
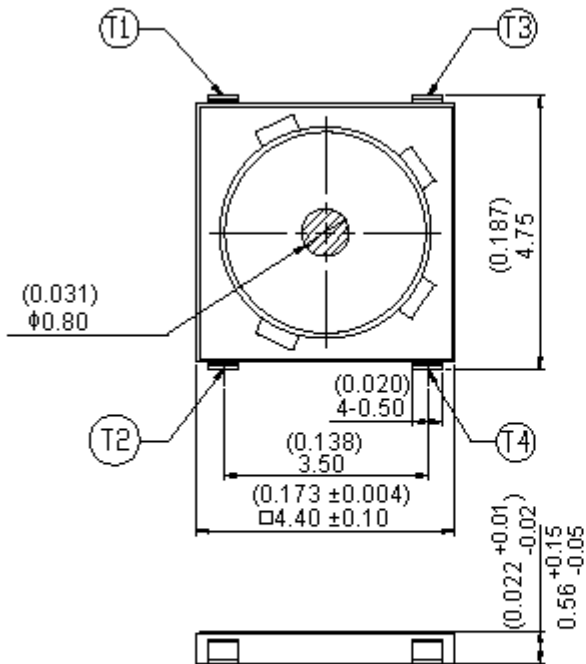
PART NO.

MCTJ-416-V

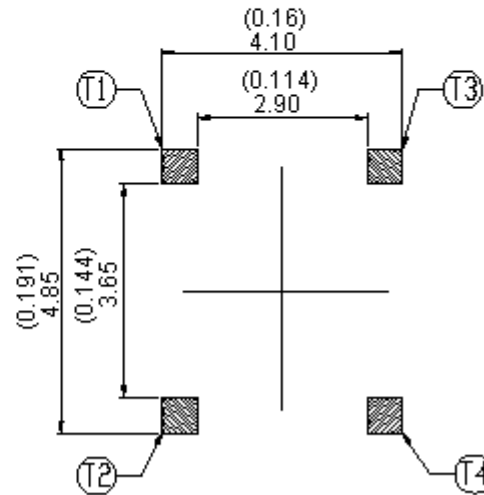
REVISIONS

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

MCTJ4



Circuit Diagram



PCB Layout

Dimensions : Millimetres (Inches)

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DATE:

03/06/08

CHECKED BY:

Suresh

DATE:

03/06/08

APPROVED BY:

G.Cook

DATE:

17/06/08

DRAWING TITLE:

TACT Switch - Vertical SMD

SIZE
A

DWG NO.

M10001228

ELECTRONIC FILE
TJ-4-V_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 1 OF 3



PART NO.

MCTJ-416-V

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Specifications:**Mechanical:**

Operating force : 160 ±50gf.
Stroke : 0.2 ±0.1mm.
Operating temperature range : -20°C to +70°C.
Storage temperature range : -30°C to +80°C.

Electrical:

Electrical life : 200,000 cycles.
50mA, 12V dc.
Maximum contact resistance : 100mΩ.
Minimum insulation resistance : 100MΩ at 500V dc.
Dielectric strength : 350V ac/1minute.
Contact arrangement : 1 pole 1 throw.

Material:

Base : High-temperature thermoplastic.
Color : Black.
Contact : Stainless stell with silver cladding.
Terminal : Phosphor bronze with silver cladding.
Tape : Kapton.

Soldering Process:

Hand Soldering : Use a soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.
Reflow Soldering : Vapor phase and reflow soldering can be applied.

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U.O.M.: mm (Inches)

SHEET: 2 OF 3



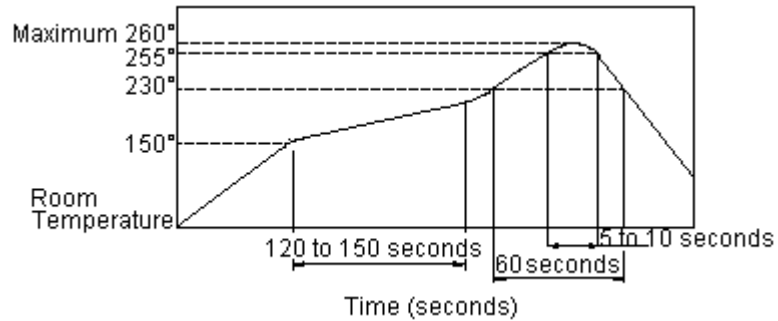
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MCTJ-416-V

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Temperature Profile:



Part Number Table

Description	Part Number
Switch, Micro Tactile SMD	MCTJ-416-V

Part Number Explanation:

MC T J - 4 16 - V

Terminal Type Product Size Operating Force Soldering

Terminal Type : J = J Bend.
Product Size : 4 = 4.4 x 4.4mm.
Operating Force : 16 = 160gf.
Soldering : V = Lead Free Solderable.

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

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SHEET: 3 OF 3