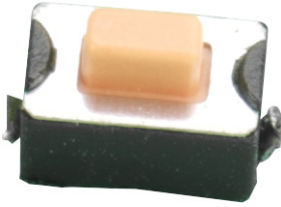


Tact Switches

J Bend SMT Type

multicomp^{PRO}

RoHS
Compliant



Description

The product is a surface mount tactile switch. It is an ultraminiature, high reliable switch with light weight structure and it is mainly suitable for high density mounting. It is used for Industrial, Power Management, Automation and Process Control.

Features

- Compact size 3.5mm × 6mm
- Sharp click feel
- 5mm Height
- J-Bend Outward SMT type
- Non-Illuminated

Specifications

Materials

Cover	: Stainless steel
Base	: Nylon or PPA high temperature thermoplastic Colour: Black
Stem	: Nylon high temperature thermoplastic Colour: Salmon (320 gf)
Contact Disc	: Stainless steel with silver cladding
Terminal	: Brass with silver cladding

Mechanical

Operation Force	: 320 ±80 gf salmon (S)
Stroke	: 0.25 (+0.2 / -0.1 mm)
Operating 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 - 10 Hz / 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), 11 milliseconds Direction and times: 6 sides and 3 times in each direction High reliability

Electrical

Electrical Life	: 50,000 cycles for 320gf
Contact Resistance	: 100mΩ maximum
Insulation Resistance	: 100MΩ minimum at 500V DC
Dielectric Strength	: 250V AC / 1 minute
Contact Arrangement	: 1 pole 1 throw

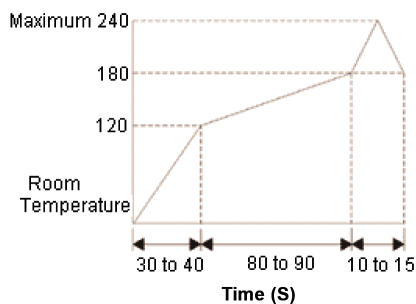
Tact Switches

J Bend SMT Type

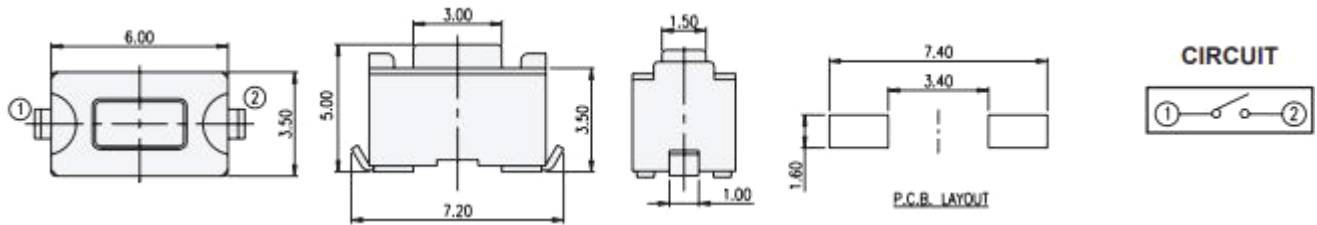
Soldering Process

- Hand Soldering : Use a soldering iron of 30 watts, controlled at 608°F (320°C) approximately 2 seconds while applying solder
- Reflow Soldering : When applying reflow soldering, the peak temperature or the reflow oven should be set to 240°C maximum condition for soldering (Reflow and Non-washable type)
- Wave Soldering : Recommended solder temperature at 500°F (260°C) maximum. 5 seconds, for through hole type. Subject to PCB 1.6 mm thickness

Reflow Temperature Profile



Diagram



Part Number Table

Description	Part Number
Tactile Switch, SPST, 50mA, 12V DC, Salmon, J-Bend, Tape and Reel	MP-DTSM-32S-V-T/R
Tactile Switch, SPST, 50mA, 12V DC, Salmon, J-Bend	DTSM-32S-B

Dimensions : Millimetres

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