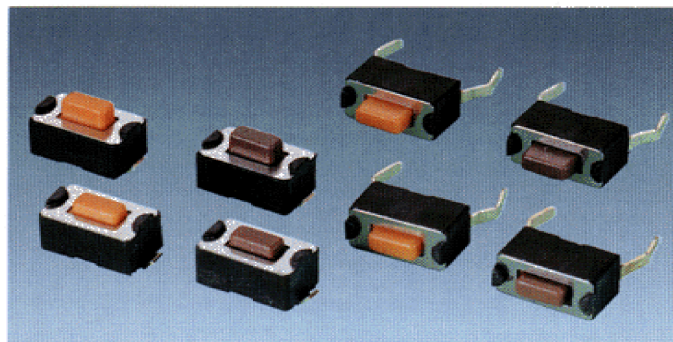


DTS3,DTSM-3 Through hole & SMT (3.5X6mm)



FEATURES

1. Available sharp click feel with a positive tactile feedback. Due to small movement distance (stroke), user experiences distinct sensation when the switch clicks into place.
2. Ultraminiature and light weight structure suitable for high density mounting. Economic but high reliability.
3. Insert molding in the contact with special treatment prevents flux build-up during soldering and permits auto-dipping.

SPECIFICATION

MECHANICAL

Operation Force: 320±80gf Salmon (S)
160±50gf Brown (N)

Stroke: 0.25 +0.2 mm
- 0.1 mm

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), 11 msec.

Direction and times: 6 sides and 3 times in each direction.

High reliability.

ELECTRICAL

Electrical Life: 50,000 cycles for 160gf,320gf.

Rating: 50mA, 12VDC.

Contact Resistance: 100mΩ max.

Insulation Resistance: 100MΩ min. at 500VDC.

Dielectric Strength: 250VAC/1 minute.

Contact Arrangement 1 pole 1 throw.

SOLDERING PROCESSES

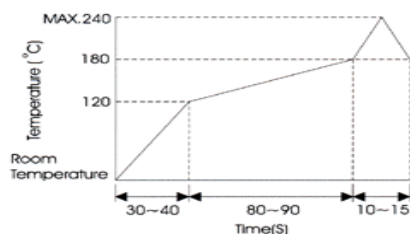
△HAND SOLDERING: Use a soldering iron of 30 watts, controlled at 608°F (320°C) approximately 2 seconds while applying solder.

△REFLOW SOLERING: When applying reflow soldering, the peak temperature or the reflow oven should be set to 240°C max.

△Condition for soldering (Reflow & Non-washable type)
Temperature Profile:

△WAVE SOLDERING: Recommended solder temperature at 500°F (260°C) max.
5 seconds, For through hole type.
Subject to P.C.B. 1.6 mm thickness.

△Reflow temperature profile:



MATERIALS

△COVER: Stainless Steel.

△BASE: UL94V-0 Nylon or PPA High-Temp.
Thermoplastic.

Color: Black.

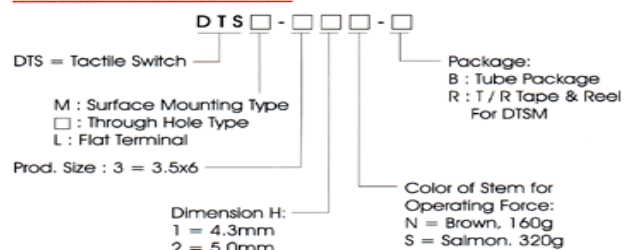
△STEM: UL94V-0 Nylon High-Temp.
Thermoplastic.

Color: Brown(160gf), Salmon(320gf),

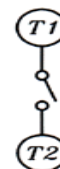
△CONTACT DISC: Stainless with silver cladding.

△TERMINAL: Brass with silver cladding.

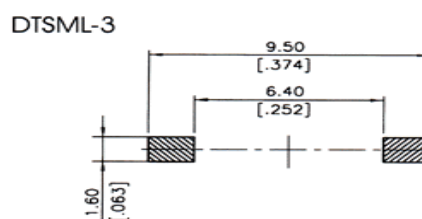
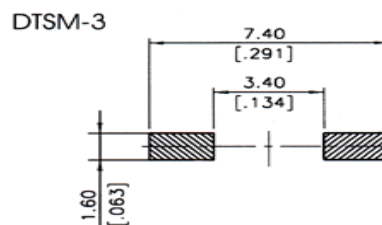
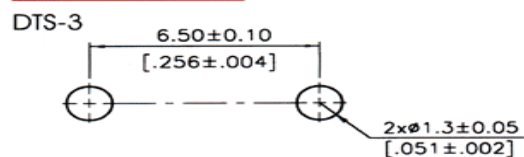
HOW TO ORDER



CIRCUIT



P.C.B. LAYOUT



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
*MORE UPDATE INFORMATION,PLEASE CONSULT DIPTRONICS.