

DTS(G)L-6 & DTSGF-6 SERIES
Thinner Type (With Ground Terminal Option)



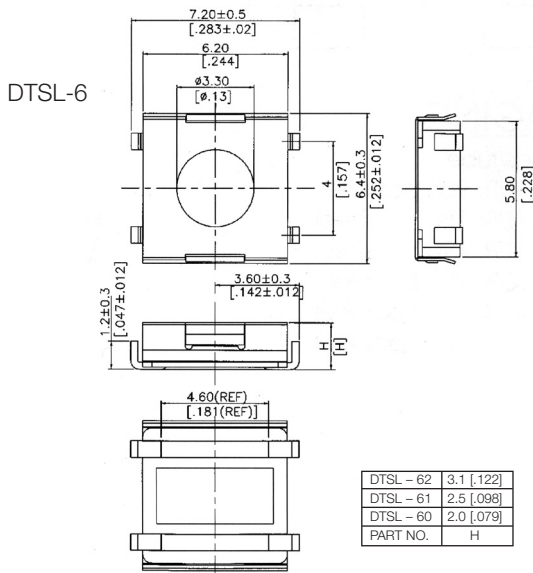
FEATURES

1. Sharp click feel with a positive tactile feedback. Due to a 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.

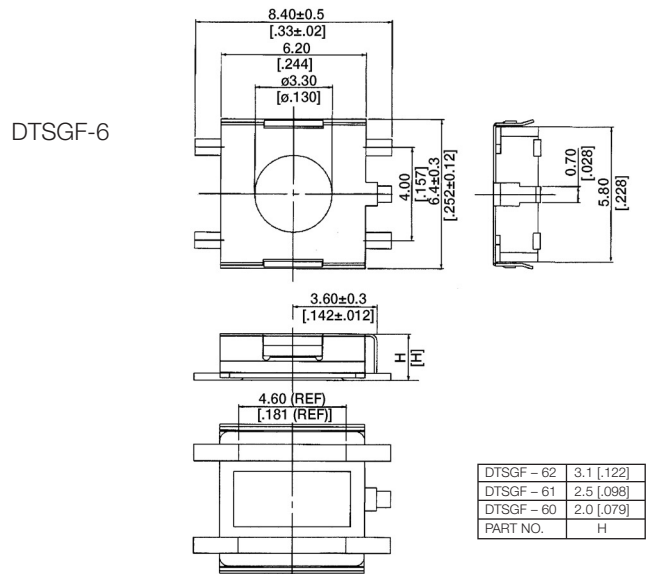
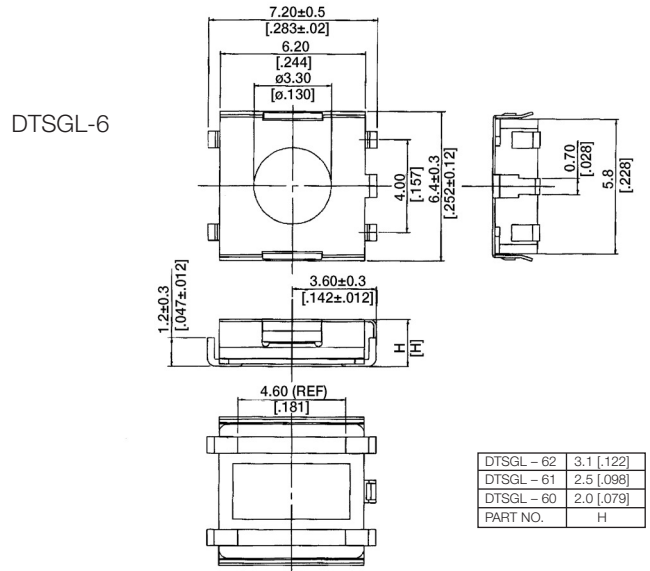
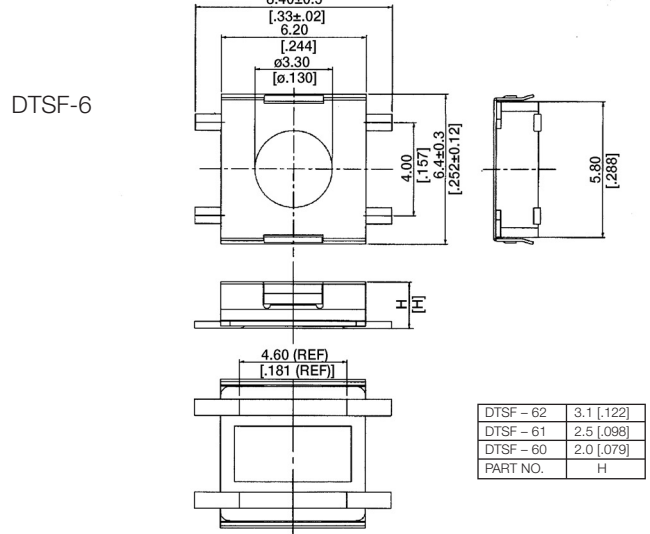
MATERIALS

- △ Cover: Nickel Silver (DTSGL(F)-6).
Stainless Steel (DTSL.F-6).
- △ Base: UL94V-O Nylon Thermoplastic.
Color: Black.
- △ STEM: UL94V-O Nylon Thermoplastic.
Color: Black (100gf), Brown (160gf), Red (260gf), White (320gf), Yellow (520gf).
Silicone Rubber, Color: Brown (200gf).
- △ Contact Disc: Phosphor bronze with silver cladding.
- △ Terminal: Brass with silver plated.

DIMENSIONS



DIMENSIONS



General Tolerance: ± 0.2 mm (± 0.008")



SPECIFICATION

Mechanical

- Operation Force: 520 ± 130gf Yellow (Y)
320 ± 80gf Salmon (S)
260 ± 50gf Red (R)
160 ± 50gf Brown (N)
100 ± 50gf Black (K)

200⁺⁶⁰₋₅₀ gf Brown (N)
- Stroke: (6x6) 0.25 +0.2mm
-0.1mm
- 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 213 B.
CONDITION A.
Gravity: 50G (peak value), 11 msec.
Direction and times: 6 sides and 3 times
in each direction.
High reliability.

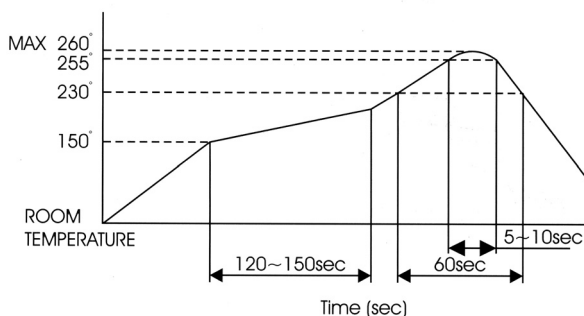
Electrical

- Electrical Life: 100,000 cycles for 320gf, 520gf.
100,000 cycles for 260gf.
200,000 cycles for 100gf, 160gf, 180gf.
- Rating: 50 mA, 12VDC.
- Contact Resistance: 100 mΩ max.
- Insulation Resistance: 100 MΩ min. at 500VDC.
- Dielectric Strength: 250VAC/1 minute.
- Contact Arrangement: 1 pole 1 throw.

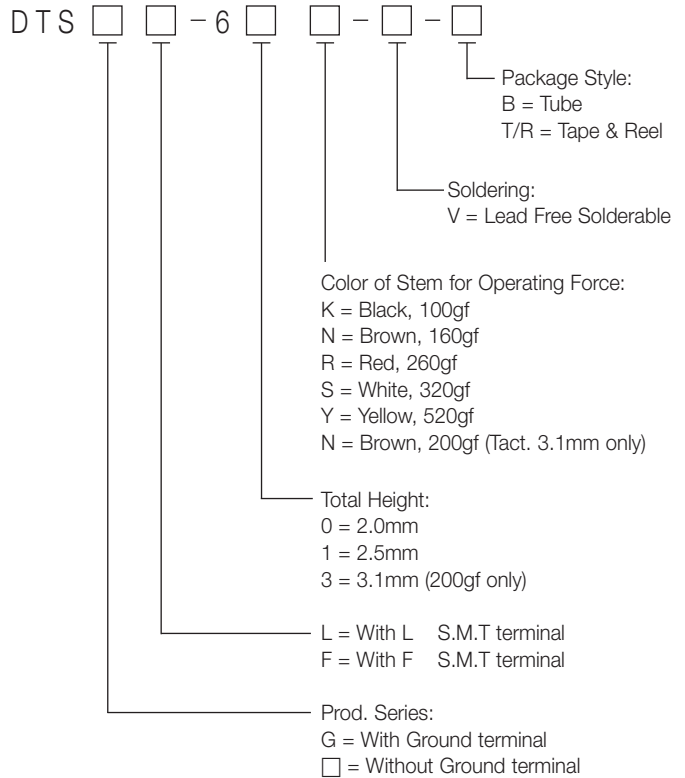
SOLDERING PROCESSES

- △ Hand soldering: Use a soldering iron of 30 watts, controlled at 350 °C approximately 5 seconds while applying solder.
- △ Reflow soldering: When applying reflow soldering, the peak temperature or the reflow Oven should be set to 260 °C max.
Condition for soldering.
(Reflow & Non-washable type)

Temperature Profile:

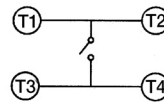


HOW TO ORDER

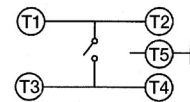


CIRCUIT

DTSF, DTSL-6

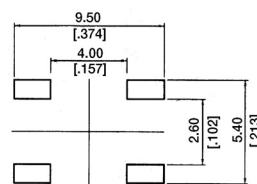


DTSGL, DTSGF-6

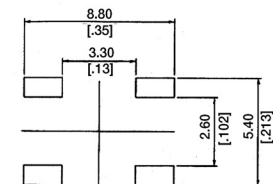


P.C.B. LAYOUT

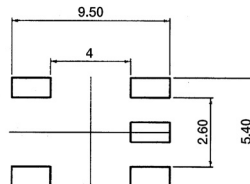
DTSF-6



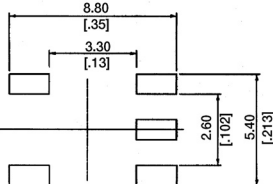
DTSL-6



DTSGF-6



DTSGL-6



PACKAGING

- Tube = 75pcs/tube
- DTS(G)L-60 -T/R: 2700pcs/reel
 - DTS(G)L-61 -T/R: 2700pcs/reel
 - DTS(G)L-62 -T/R: 2500pcs/reel
 - DTS(G)F-60 -T/R: 3000pcs/reel
 - DTS(G)F-61 -T/R: 3000pcs/reel
 - DTS(G)F-62 -T/R: 2500pcs/reel