

FEATURES:

- 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.
- Ultraminiature and light weight structure suitable for high density mounting. Economic but high reliability.
- Insert molding in the contact with special treatment prevents flux build-up during soldering and permits auto-dipping.

MATERIAL:

- Cover: Stainless steel.
- Base: UL94V-0 Nylon High - Temp. Thermoplastic.
- Stem: UL94V-0 Nylon High - Temp. Thermoplastic.
Color: Brown(160gf), Red(260gf),
Salmon(320gf), Yellow(520gf).
- Contact Disc: Stainless with silver cladding.
- Terminal: Brass with silver plated.

SPECIFICATION

MECHANICAL

- Operation Force:
 - 520 ± 130gf Yellow (Y)
 - 320 ± 80gf Salmon (S)
 - 260 ± 50gf Red (R)
 - 160 ± 50gf Brown (N)
- Stroke: 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-STFD-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.

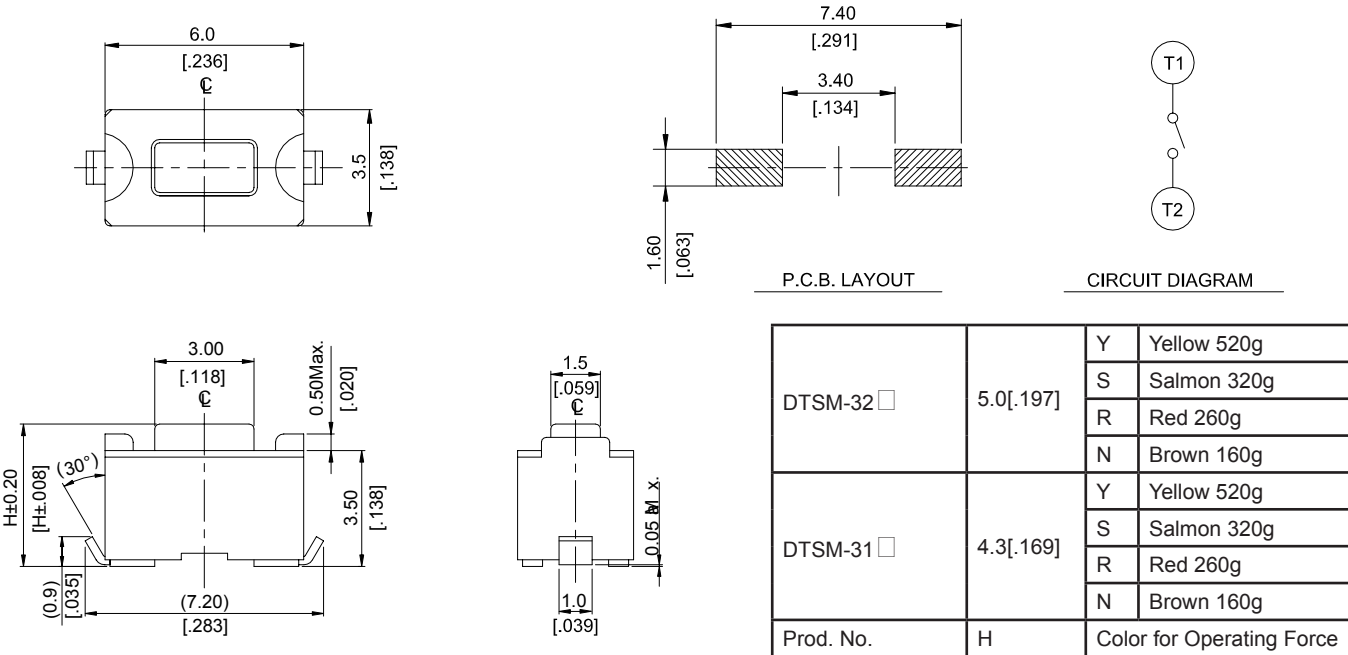
ELECTRICAL

- Electrical Life: 50 000 cycles for 160gf, 320gf
30 000 cycles for 260gf, 520gf
- Rating: 50mA, 12VDC.
- Contact Resistance: 100mΩ max.
- Insulation Resistance: 100MΩmin. at 500VDC.
- Dielectric Strength: 250VAC/1 minute.
- Contact Arrangement 1 pole 1 throw

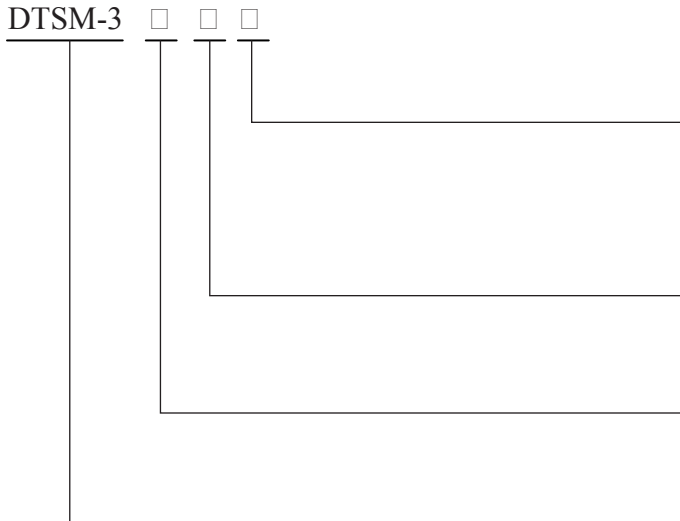
Packaging:

Part Number	Number Per Tube	Number Per Reel
DTSM-31□	135	1800
DTSM-32□	135	1600

DTSM-3



HOW TO ORDER:



Package Style:
B = Tube
T/R = Tape & Reel

Color of Stem For Operating Force:
N = Brown, 160gf
R = Red, 260gf
S = Salmon, 320gf
Y = Yellow, 520gf

Height:
1 = 4.3mm
2 = 5.0mm

Tactile Switch 3.5x6mm

Soldering Process

- ▲ 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 of the reflow oven should be set at 260°C Max.
- ▲ Wave Soldering : Recommended solder temperature 260°C max 5 seconds for through hole type.
Subject to P.C.B 1.6mm thickness

