**ST(H,M,J,R)W Series Sealed Tact Switch**

**Features**
- Through-hole and SMD styles available
- Available sharp click feel with a positive tactile feedback
- Ultra-miniature and lightweight structure suitable for high density mounting
- Designed for washing after soldering
- RoHS compliant *

**Electrical Characteristics**
- Electrical Life: 100,000 cycles min.
- Rating: DC 12 V, 50 mA
- Contact Resistance: 100 mohms max.
- Insulation Resistance: 100 Mohms min.
- DC 500 V min.
- Dielectric Strength: AC 250 V for 1 minute
- Contact Arrangement: 1 pole 1 position

**Environmental Characteristics**
- Mechanical Life: 100,000 cycles min.
- Operation Force: 160 g, 260 g
- Tolerance: ±50 g
- Stop Strength: Place the switch vertical, a static load of 3 kg shall be applied in the direction of actuator operation for a period of 15 seconds
- Stroke: 0.25 mm (+0.2 mm, -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 3 mutually perpendicular directions
- Time: 2 hours each direction, high reliability
- Shock Test: MIL-STD-202F, Method 213B, Condition A
- Gravity: 50 g (peak value), 11 m/s
- Directions/Time: 8 sides and 3 times in each direction

**Physical Characteristics**
- Cover Materials: Stainless steel
- Base Materials: Thermoplastic LCP UL94V-0 black
- Actuator Materials: Thermoplastic Nylon UL94V-0 (680, 690)
- Color: Brown (Silver 680 type)
- Contact Disc. Materials: Phosphor bronze with gold cladding
- Terminal Materials: Brass with silver cladding

---

Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.
ST(H,M,J,R)W Series Sealed Tact Switch

Packaging Specifications

How to Order

STM W - 6 60 - N TR

Model
STM = SMD "G" style
STH = Through-hole
STJ = SMD "J" style
STR = SMD right angle

Product Type
W = Washable

Size
6 = 6 mm

Height (STM, STH, STJ)
50 = 3.0 (N, R, V)
60 = 3.1 (N)
67 = 3.2 (N, R, V)
80 = 2.3 (S)
90 = 3.8 (N, R, V)

Height (STR)
10 = 0 (N, R)
20 = 0.8 (N, R)
30 = 1.0 (N, R)
40 = 2.3 (N, R)

Actuating Force
S = 160 g (Silver head)
N = 160 g (Brown head)
R = 260 g (Red head)
V = 360 g (Clear head)

Packaging Option
TR = Embossed tape (STM, STJ, STR only)
510/520/630/640 = 700 pcs.
650 = 1900 pcs.
660 = 2000 pcs.
667 = 900 pcs.
690 = 2000 pcs.
690 = 1900 pcs.
__ = 75 pcs./tube (STM, STJ, STH only)

Reflow Soldering Profile

Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.