



Features

- Available sharp click feel with a positive tactile feedback
- Ultra-miniature and lightweight structure suitable for high density mounting
- Economical with high reliability
- RoHS compliant*

OBSOLETE
 Model STSS is currently available, although not recommended for new designs.

- Insert molding in the contact with special treatment prevents flux buildup during soldering and permits autodipping

STSS SMD 4 mm Sealed Tact Switch

Electrical Characteristics

Electrical Life100,000 cycles
 RatingDC 12 V 50 mA
 Contact Resistance100 milliohms max.
 Insulation Resistance100 megohms, DC 100 V min.
 Dielectric Strength100 V AC for 1 minute
 Contact Arrangement1 pole 1 position

Environmental Characteristics

Operation Force220 g ±65 g
 Stroke0.2 + 0.10/- 0.05 mm
 Operating Temperature-25 °C to +70 °C
 Storage Temperature-30 °C to +80 °C

Vibration TestMIL-STD-202F, Method 201A

Frequency10-55-10 Hz/1 minute
 DirectionsX,Y,Z, three mutually perpendicular directions

Time2 hours each direction

Shock TestMIL-STD-202F, Method 213B, Condition A

Gravity50 G (peak value), 11 msec
 Direction & Times6 sides and 3 times in each direction

Physical Characteristics

Cover MaterialsStainless Steel

Base MaterialsLCP high temp. thermoplastic, white

Actuator MaterialsLCP high temp. thermoplastic, black

Contact Disc MaterialsStainless with silver cladding

Terminal MaterialsBrass with silver plated

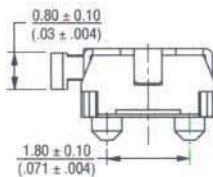
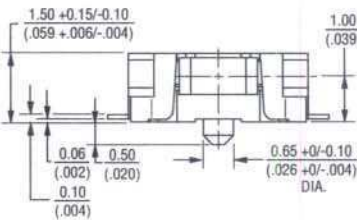
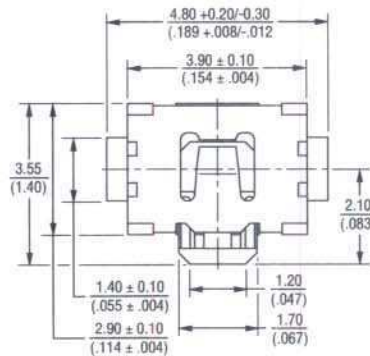
TapeTeflon

Hand Soldering ProcessUse a soldering iron of 30 watts, controlled at 320 °C (608 °F) for approximately 2 seconds while applying solder

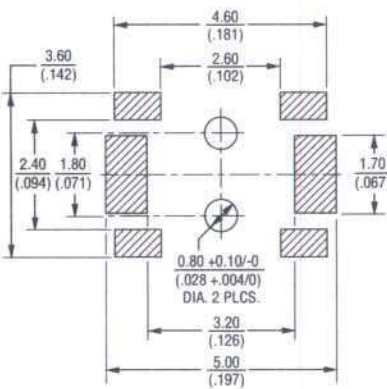
Reflow Soldering ProcessWhen applying reflow soldering, the peak temperature or the reflow oven should be set to 240 °C

Packaging3,500 pieces per reel

Product Dimensions



Recommended PCB Layout



DIMENSIONS ARE: $\frac{\text{MM}}{\text{(INCHES)}}$

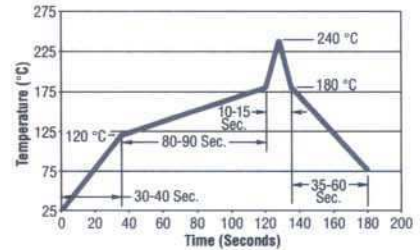
How to Order

Model **STSS - 32 - TR**
 Terminal
 Embossed Tape
 TR = 3500 Pcs./180 mm Reel

Circuit Diagram



Reflow Soldering Profile



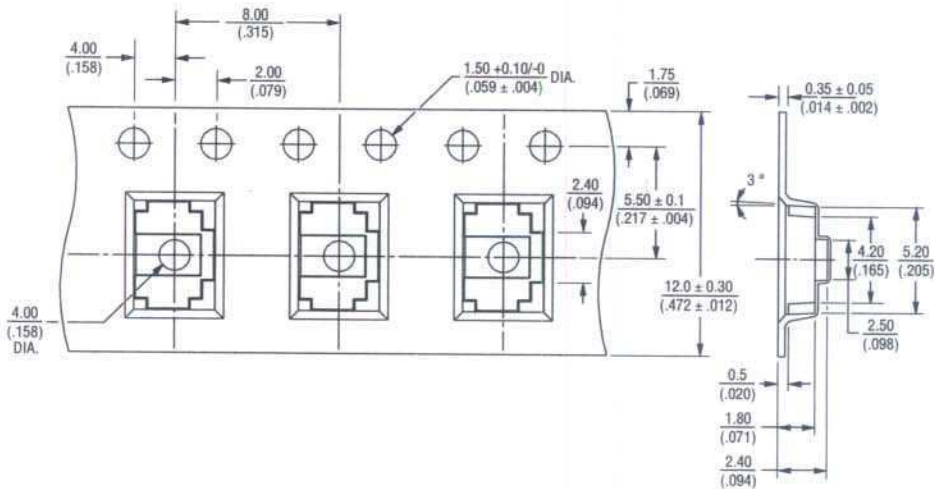
*RoHS Directive 2002/95/EC Jan 27 2003 including Annex. Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

OBSOLETE

STSS SMD 4 mm Sealed Tact Switch

BOURNS®

Packaging Dimensions



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