

Tactile Switches

3.5x6 mm Thinner Type Tactile Switches

TP20 Series



MATERIAL

COVER : Nickel silver
CONTACT DISC : Stainless with silver cladding
TERMINAL : Brass with silver plated
BASE : UL94V-0 Nylon High-Temp Thermoplastic
COLOR : Black
STEM : UL94V-0 Nylon High-Temp Thermoplastic
COLOR : Brown (160g) Red (260g)
TAPE : Teflon

SOLDERING PROCESS

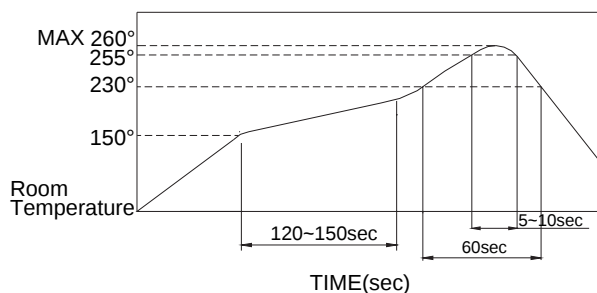
HAND SOLDERING:

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

REFLOW SOLDERING:

When applying reflow soldering,
the peak temperature or the reflow should be set to
260°C max.

Temperature Profile :



SPECIFICATION

MECHANICAL

Stroke: 0.25±0.2/-0.1mm

Operation Temperature Range: -25°C to +70 °C

Storage Temperature Range: -30°C to +80 °C

ELECTRICAL

Electrical Life: 50,000 cycles

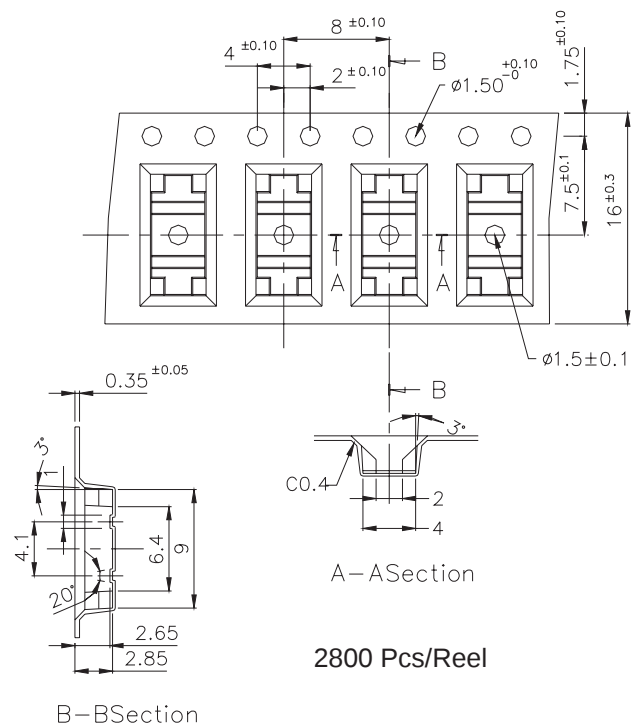
Rating: 50mA, 12VDC

Contact Resistance: 100mΩ max.

Insulation Resistance: 100M Ω min. at 500 VDC

Dielectric Strength: 250VAC/1 minute

PACKING



2800 Pcs/Reel

How to order:

TP20 **1** **2** **3**

1 TERMINATION TYPE:

M Gull Wing with Ground Terminal
J J Bend with Ground Terminal

2 STEM COLOR & OPERATING FORCE :

K Brown & 160±50gf
C Red & 260±50gf

3 PACKAGING :

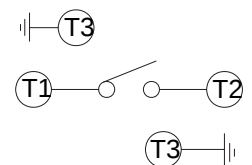
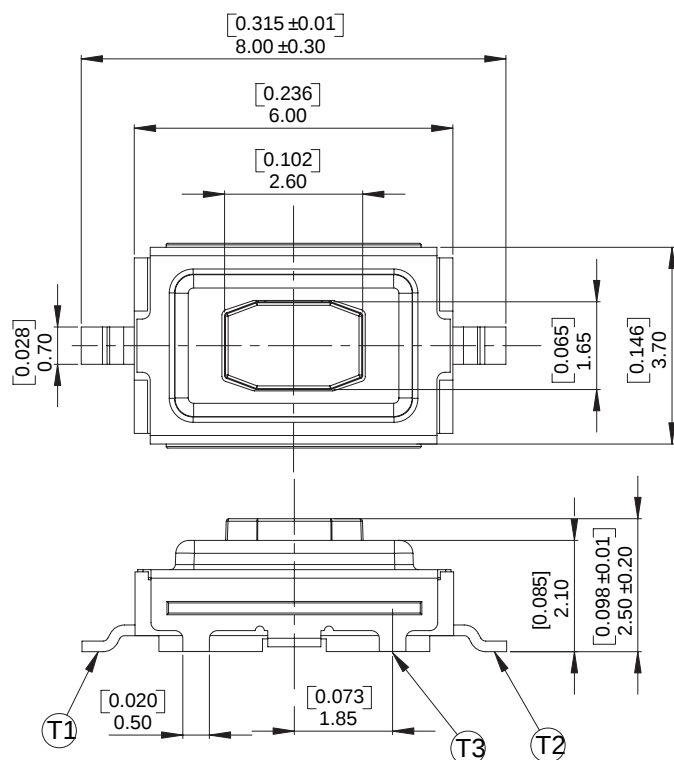
TR Tape & Reel

Tactile Switches

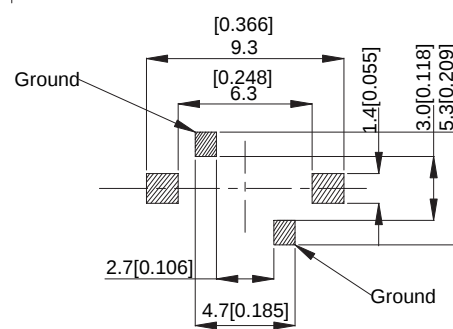
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TP20M



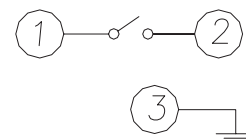
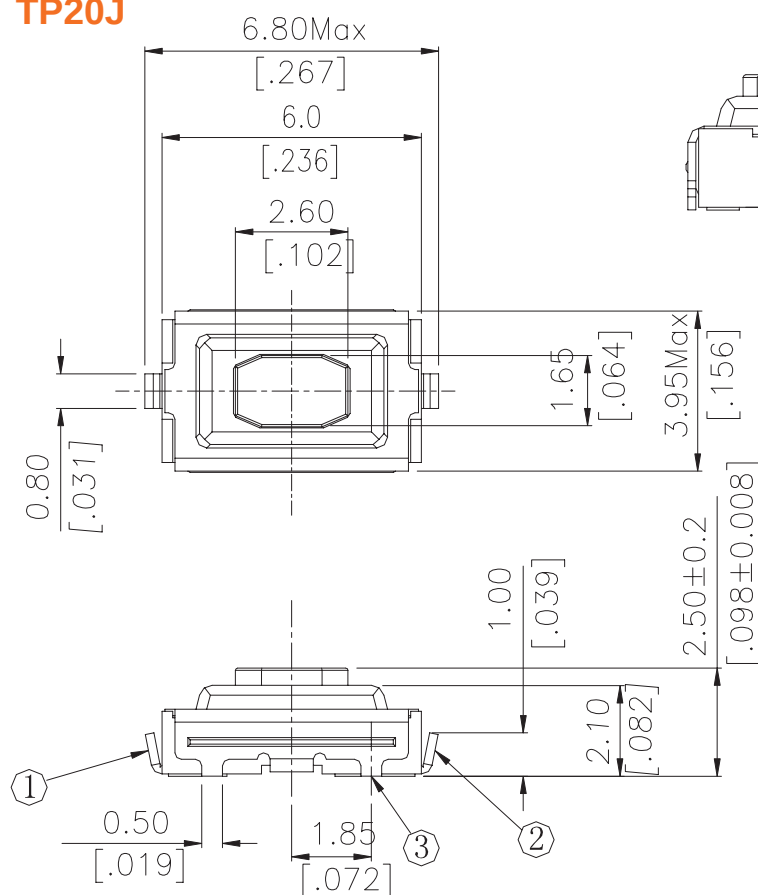
CIRCUIT DIAGRAM



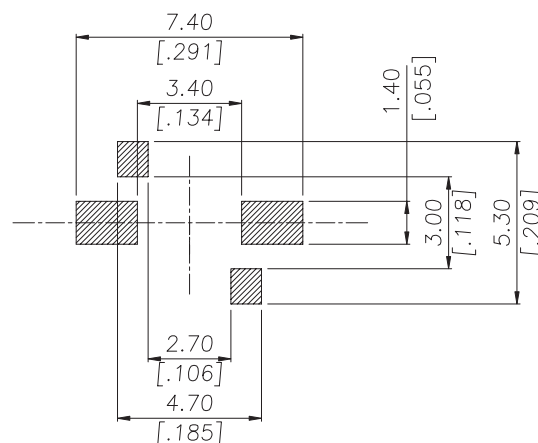
P.C.B. LAYOUT

General Tolerance : $\pm 0.2\text{mm}$

TP20J



CIRCUIT DIAGRAM



P.C.B. LAYOUT

General Tolerance : $\pm 0.2\text{mm}$