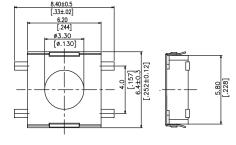
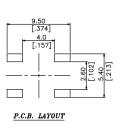
Tactile Switches

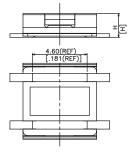
6x6 mm SMT Tactile Switches (Pitch 4.0 mm)

TP33 Series





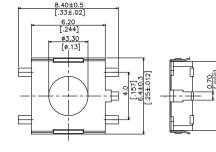


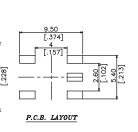


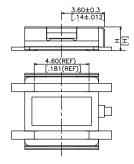


TP33NF





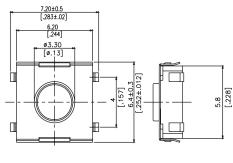


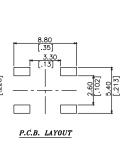


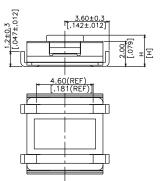


TP33GF





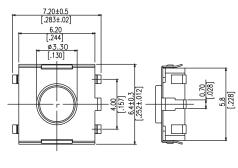


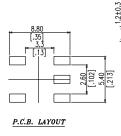


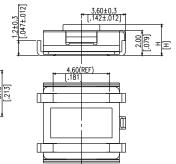


TP33NB











TP33GB

How to order:

- **GROUND TERMINAL:**
- With Ground Terminal
- Without Ground Terminal
- **TERMINAL TYPE:**
- Bending SMT Terminals В Flat SMT Terminals
- 3 HEIGHT "H":
- H = 2.0 mm
- H = 2.5 mm
- H = 3.1 mm**34** H = 3,4 mm
- **ACTUATOR COLOR & OPERATING FORCE:**
- Black, 100gf
- Brown, 160gf
- Red, 260gf
- White, 320gf
- KS Brown, 200gf (only with soft actuator)

ACTUATOR TYPE:

- Standard
- Soft (Only for H = 3.1/3.4 mm)

General Tolerance: ±0.2mm

6 PACKAGING:

- Tube
- TR Tape & Reel

6x6 mm SMT Tactile Switches (Pitch 4.0 mm)

TP33 Series

SPECIFICATION

> MECHANICAL

Operation Force: 100±50gf Black

160±50gf Brown 260±50gf Red 320±80gf White 520±130qf Yellow

Stroke: 0.25+0.2/-0.1mm

Operation Temperature: -25°C to +70°C Storage Temperature: -30 °C to +80 °C

> ELECTRICAL

Electrical Life: 300,000 cycles for 320qf,520qf

500,000 cycles for 260gf

1,000,000 cycles for 100gf,160gf,180gf

Rating: 50 mA, 12 VDC

Contact Resistance : $100m\Omega$ max

Insulation Resistance : $100M\Omega$ min , at 500 VDC

Dielectric Strength: 250 VAC / 1minute Contact Arrangement: 1 pole 1 throw

MATERIAL

COVER: Stainless steel (without ground terminal)

Nickel Silver (with ground terminal)

BASE: UL 94V-0 Nylon High-temp thermoplastic

Color: Black

CONTACT DISC: Stainless steel TERMINAL: Brass with silver plated

STEM: UL94V-0 Nylon High-temp Thermoplastic Color: Black(100gf), Brown(160gf), Red(260gf),

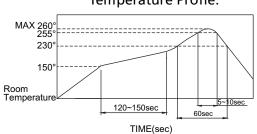
White(320gf), Yellow(520gf) Silicon Rubber Color: Brown (200gf)

SOLDERING CONDITIONS

HAND SOLDERING: Use a soldering iron of 30 watts, controlled at 350°C approximately max 5 seconds while applying solder.

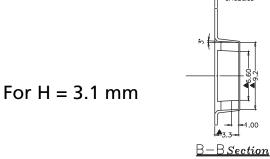
REFLOW SOLDERING : When applying reflow Soldering, the peak temperature or the reflow oven should be set to 260 °C max. Condition for soldering. (Reflow & Non-washable type)

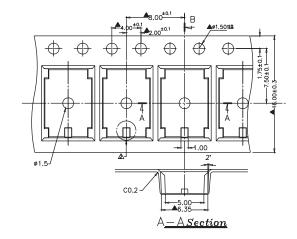
Temperature Profle:



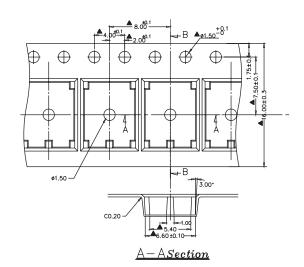
TAPE & REEL PACKAGING

General Tolerance: ±0.1mm





3.00 For H = 2.0 mmand H = 2.5 mm



♣2 70±0 10

B-B Section