BIWIN / Sab





Product Description

TR series offers extremely high switching reliability with the need of very little space.

They can be arranged as single keys, in rows or key blocks

When arranged under an overlay, TR keyswitches should be combined with plungers.

The features at a glance

- Suitable for most common soldering methods:
 - Wave soldering bath for print versions
 - Reflow soldering (SMD)
 - Manual soldering
- 5,000,000 operations
- Actuation Force: 250gf, 350gf and 650gf

Specifications

Contact rating Contact resistance Insulation resistance Dielectric strength Operating temperature

Resistance to constant environment Resistance at variable environment

Mechanical life

Solderability / Solder heat resistance PCB version Solderability / Solder heat resistance SMD version

Flammability of materials

Water proofing Actuation force Mounting









42V AC/DC, 100mA $100 \text{m}\Omega$ max.(Initial) $100M\Omega$ at 100V DC 250V DC, 50 Hz for the duration of 1 minute -40°C to +80°C according to IEC 600 68-2-3 and 2-30 according to IEC 600 68-2-14 and 2-33 5,000,000 operations IEC 600 68-2-20

EN 61760-1 and DIN IEC 600-68-2-58

UL 94 HB IP67 grade

3.5N +/- 0.6N(Standard)

on PC-board THT and SMD type

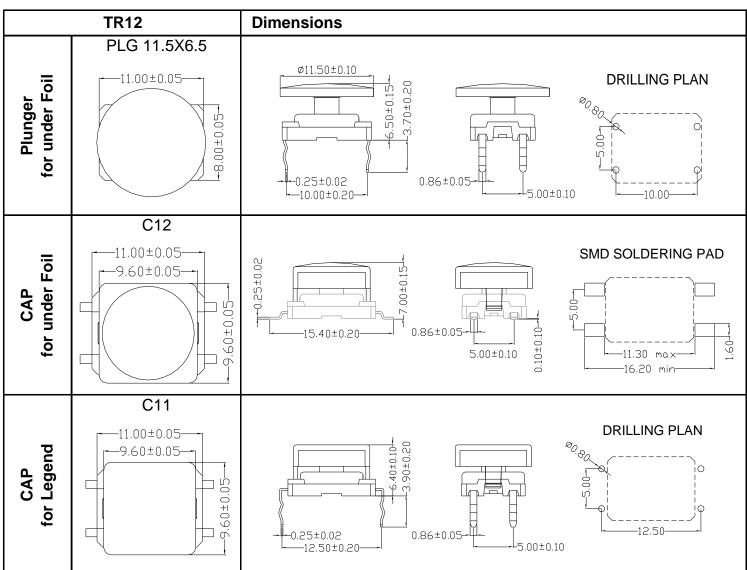
_		Sitt & board titt and Sivib type
	TR12	Dimensions
Solder terminal for PCB, inward	TR12H1	DRILLING PLAN 07.010 10.00 07.010 10.00 07.010 10.00 086 + 0.05
Solder terminal for PCB, outward	TR12H2	DRILLING PLAN ### TRAVEL ### 12.50 0.86 \pm 0.86 \pm 0.05 0.80 0.10 0.86 \pm 0.86 \pm 0.86 0.10 0.86 \pm 0.86
SMD gullwing terminal	TR12S	SMD SOLDERING PAD **3.00±0.10 **0.86±0.05 **15.40±0.20 **3.00±0.10 **16.20 min





Switch + Plunger / Cap





Order information



Plunger/Cap codes

PLG 11.5x6.5mm C11: 11mm Sqaure(for Legend) C12: 11mm Square

S: SMD

00: Blue 06: White
02: Green 08: Red
03: Light Grey 09: Black
04: Yellow 01: Frosted
05: Dark Grey 11: Transparent

Cap Color codes

6: 650gf/ 6.5N