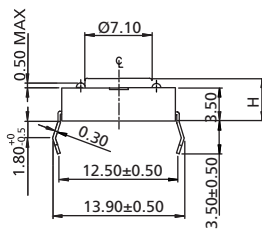


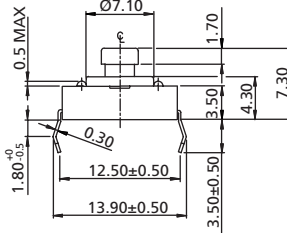
Tactile Switches

Standard 12 x 12 mm Tactile Switches

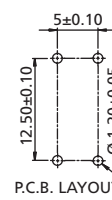
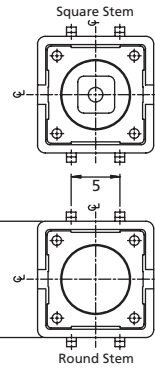
TP4 Series



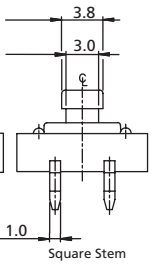
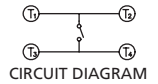
Round Stem



Square Stem for Caps



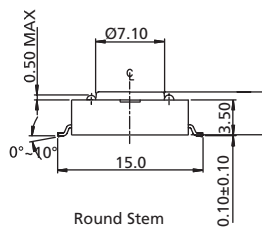
P.C.B. LAYOUT



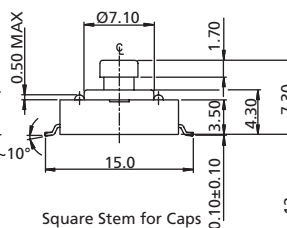
Round Stem

Square Stem

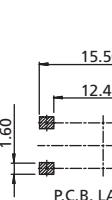
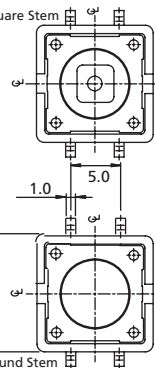
TP4H THT Terminals



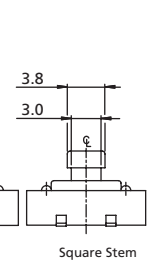
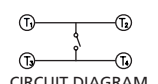
Round Stem



Square Stem for Caps



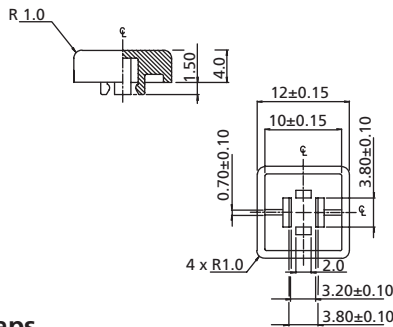
P.C.B. LAYOUT



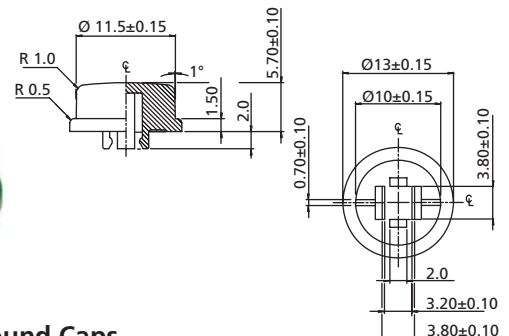
Round Stem

Square Stem

TP4S SMT Terminals



K12S Square Caps



K12R Round Caps

How to order:

TP4 + (Caps)

1 TYPE OF TERMINALS:

H THT
S SMT

2 POST (TP4H only)

No Code Without Post
P With Post

3 DIMENSION "H":

1 H=4.3mm (Round Stem)
4 H=7.3mm (Square Stem 3.8mm)
5 H=8.5mm (Round Stem)

Individual stem heights available by request

4 STEM COLOR & OPERATING FORCE:

K Brown & 160±50gf
C Red & 260±50gf
J Salmon & 320±80gf
E Yellow & 520±130gf

5 MATERIALS OF DOME:

N Phosphor Bronze Dome
S Stainless Steel Dome
(Only for 160gf & 260gf)

6 PACKAGE STYLE:

BK Bulk Pack (TP4H Only)
TB Tube
TR Tape & Reel (TP4S Only)

Optional:

7 CAP TYPE (Only for Square Stems):

K12S Square Caps
K12R Round Caps

8 COLOR OF CAPS:

A Black
B Ivory
C Red
E Yellow
F Green
G Blue
H Gray
S Salmon

General Specifications:

MATERIALS

- » Contact Disc: Phosphor Bronze with silver cladding
- » Terminal: Brass with silver plated

MECHANICAL

- » Stroke: 0.35 ± 0.1 mm
- » Operation Temperature: -25°C to +70°C
- » Storage Temperature: -30°C to +80°C

ELECTRICAL

- » Electrical Life:
 - Phosphor Bronze Dome: 100,000 cycles for 520gf, 320gf & 260gf
 - 200,000 cycles for 160gf
 - Stainless Steel Dome: 500,000 cycles for 260gf
 - 1,000,000 cycles for 160gf
- » Rating: 50mA, 12VDC
- » Contact Arrangement: 1 pole 1 throw

LEADFREE SOLDERING PROCESSES

- » Wave Soldering: Recommended solder temperature at 260°C max. 5 seconds subject to PCB 1.6mm thickness (for THT).
- » Reflow Soldering: When applying reflow soldering, the peak temperature or the reflow oven should be set to 260°C max. 10 seconds (for SMT).

General Tolerance: ± 0.2 mm