

TACT Switch

DTS Series



Features:

- Sharp click feel with a positive tactile feedback
- Due to small movement distance (stroke), user experiences distinct sensation when the switch "clicks" into place
- Ultraminiature and light weight structure suitable for high density mounting. Economic but high reliability
- Insert moulding in the contact with special treatment prevents flux build-up during soldering and permits auto-dipping

Specifications:

Mechanical:

Operation Force	: 260 ±50gf Red (R) 100 ±50gf Black (K)
Stroke	: (6 × 6) 0.25 (+0.2mm/-0.1mm)
Operating Temperature Range	: -25°C to +70°C
Storage Temperature Range	: -30°C to +80°C

Electrical:

Electrical Life	: 50,000 cycles for 260gf 500,000 cycles for 100gf
Contact Resistance	: 100mΩ maximum
Insulation Resistance	: 100MΩ minimum at 500V DC
Dielectric Strength	: 250V AC/1 minute
Contact Arrangement	: 1 Pole 1 throw

Materials:

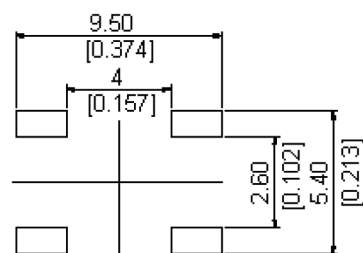
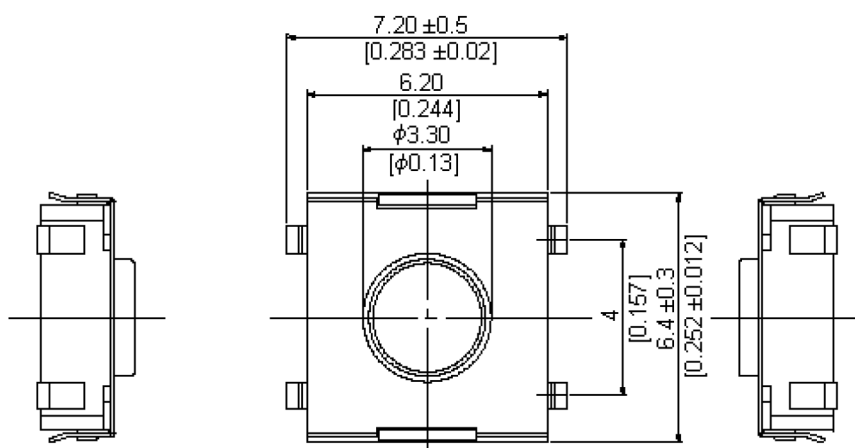
Cover	: Steel, tin plated
Base	: Nylon thermoplastic
Colour	: Black
Stem	: Nylon thermoplastic
Colour	: Black (100gf) and Red (260gf)
Contact Disc	: Phosphor bronze with silver cladding
Terminal	: Brass with silver cladding

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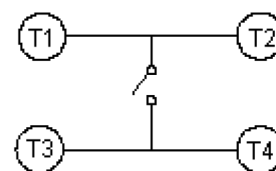
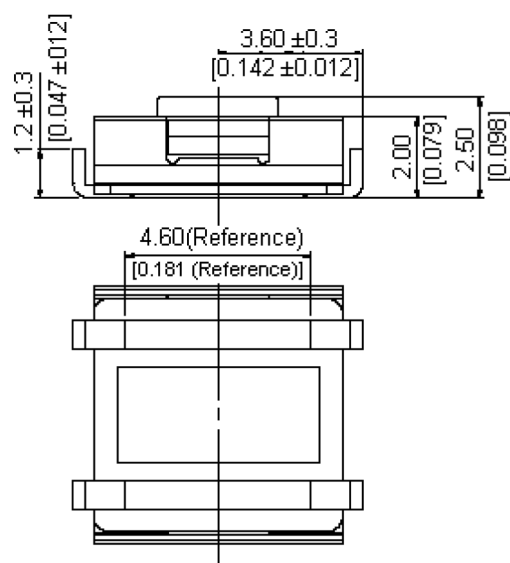
DTS Series



DTSL-61R-B



PCB Layout



Circuit Diagram

Dimensions : Millimetres (Inches)

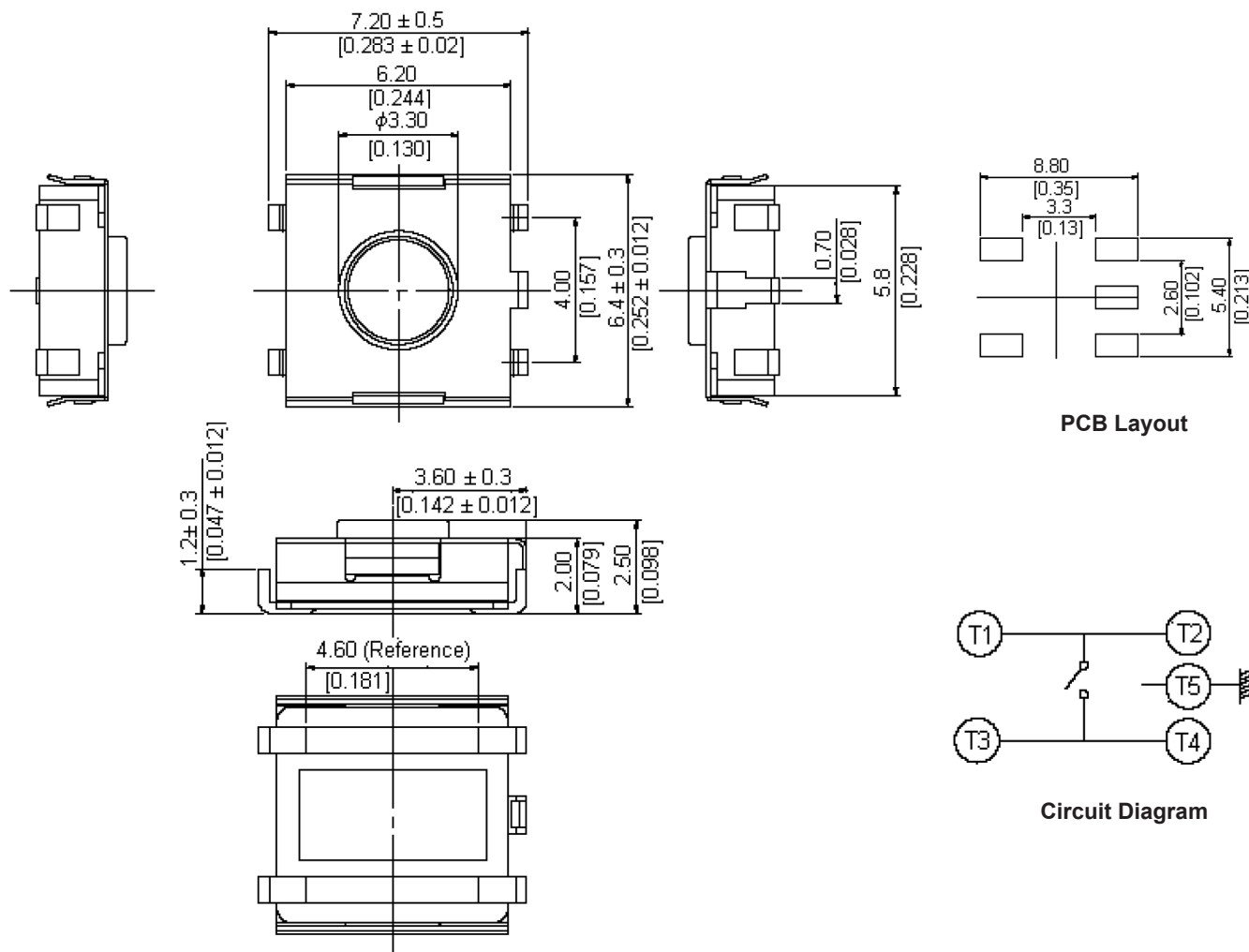
General Tolerance Maximum $\pm 0.20\text{mm}$

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DTSG-61K-B



Dimensions : Millimetres (Inches)

General Tolerance Maximum $\pm 0.20\text{mm}$

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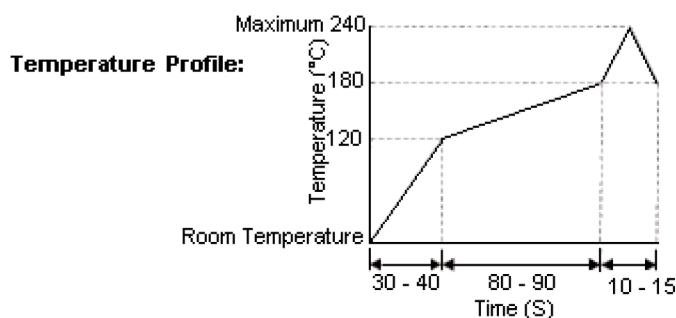


Soldering Process:

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 oven should be set to 240°C maximum

Condition for soldering (Reflow and non-washable type)



Part Number Table

Description	Rating	Part Number
Tactile Switch, SPNO, SMD	50mA at 12V DC	DTSGL-61K-B
		DTSL-61R-B

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