

PTS 525 Series Microminiature Tact Switch for SMT



Features/Benefits

- Ultra low profile, 0.8 & 1.5 mm actuator height
- Long life
- Compact package of 5.25 x 5.25 mm saves PCB space
- RoHS compliant and compatible

Typical Applications

- Consumer products
- Instrumentation
- Computer products
- Hand-held devices
- Automotive diagnostic equipment

Specification

FUNCTION: Momentary action
CONTACT ARRANGEMENT: SPST, N.O.
TERMINALS: PC pins

Mechanical

ACTUATION FORCE: PTS525 models: 160 grams, 260 grams
LIFE EXPECTANCY: 100,000 operations.

Electrical

CONTACT RATING: 50 mA @ 12 V DC.
DIELECTRIC STRENGTH: 250 V AC min.
CONTACT RESISTANCE: 100 mΩ max. initial.
INSULATION RESISTANCE: 10^{11} Ω min.
ELECTRICAL TRAVEL: $0,30 \pm 0,04$ mm

NOTE: Specifications listed above are for switches with standard options.
For information on specific and custom switches, consult Customer Service Center.

Environmental

OPERATING TEMPERATURE: -40°C to 60°C

Process

SMT capable of IR solder process. Lead free soldering process compatible. Do not clean switch with solvents.

Materials

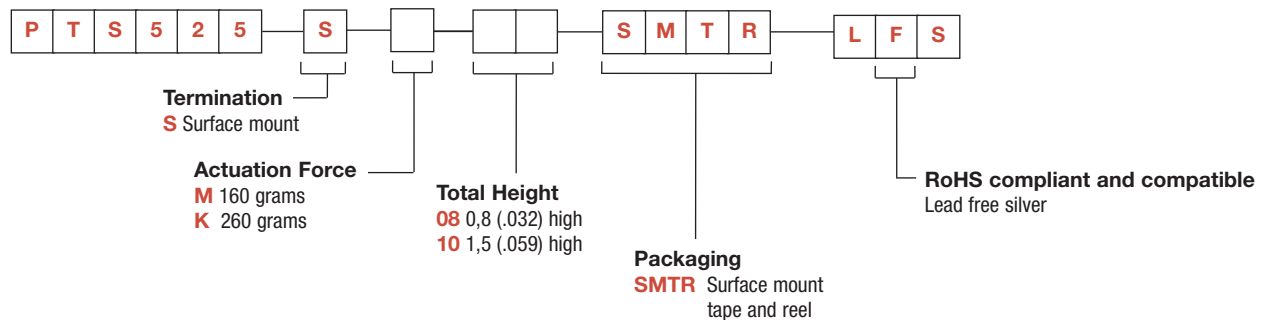
BASE: 6/6 nylon or glass filled polyester (PBT) (UL 94V-0).
ACTUATOR: 6/6 nylon or polyacetal (UL 94HB).
DOME CONTACTS: Phosphor bronze, silver clad.
STATIONARY CONTACTS: Brass, silver plated.
TERMINALS: Brass, silver plated. Insert molded.

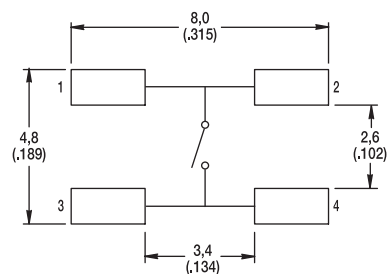
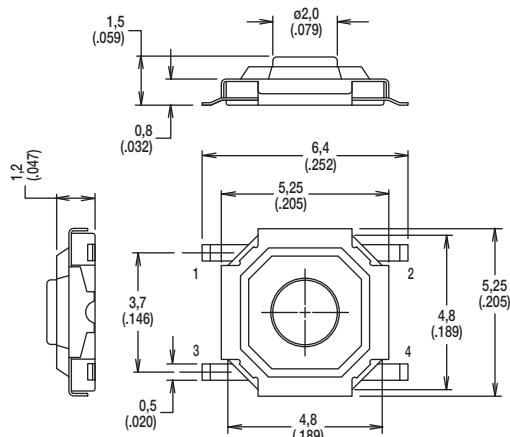
Packaging

SM10SMTR, SK10SMTR (3000 pieces per Tape and Reel)
SM08SMTR, SK08SMTR (5000 pieces per Tape and Reel)

How To Order


Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.



PTS525

Technical drawing of a 4-hole plate. The drawing includes a side view on the left and a top view on the right. The side view shows a profile with a width of 2.1 (.083). The top view shows a rectangular plate with four circular holes. The dimensions are as follows:

- Overall width: 2.1 (.083)
- Distance from the left edge to the center of the first hole: 7.2 (.285)
- Distance between the centers of the first and second holes: 5.5 (.217)
- Distance between the centers of the second and third holes: 8.0 (.315)
- Distance between the centers of the third and fourth holes: 8.0 (.315)
- Distance from the center of the fourth hole to the right edge: 4.0 (.158)
- Overall height: 12.0 (.472)
- Radius of each hole: $\phi 1.5$ (.059)

 DIRECTION OF FEED



Dimensions shown in: mm (inch)
Specifications and dimensions subject to change

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