

PTS636 Series

6.0 x 3.5 mm Top Actuated



Description

The PTS636 series is a small 6.0 x 3.5 form factor in SMT version with 3 different heights and 4 available actuation forces, ideal for general usage applications. It also included ground pin options on 2.5 mm height version.

Features & Benefits

- 6.0 x 3.5 mm footprint
- THT or SMT type
- Multiple heights

Applications

- IoT devices
- Home automation
- Remote controls

Specifications

Function	Momentary action
Contact Arrangement	1 make contact = SPST, N.O.
Terminals	THT, J, G and F type for SMT
Packaging	In bags of 1,000 pcs for THT In reels of 3,000 pieces for 2.5 mm In reels of 1,500 pieces for 4.3 and 5.0 mm Dimensions of reels according to EIA 481B External diameter 330 mm

Life Cycles

Height (mm)	Force	Operating Life
2.5mm	180gf ± 30gf	70,000
	250gf ± 50gf	100,000
4.3mm & 5.0 mm	130gf ± 50gf	50,000
	180gf ± 50gf	50,000
	250gf ± 50gf	30,000
	320gf ± 50gf	20,000

Electrical Characteristics

Max. Voltage	12 VDC
Max. Current DC	50 mA
Dielectric Strength	250 VA C (1mn)
Contact Resistance	≤ 100 mΩ
Insulation Resistance	≥ 100 M Ω
Bounce Time	≤ 10 ms
Travel	0.25 ± 0.1 mm

Environmental Characteristics

Operating Temperature	-40°C to 90°C
------------------------------	---------------

Process

Soldering	This component is suited to the following methods: Infrared Reflow Soldering in accordance with IEC61760-1
------------------	---

Notes:

Specifications listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.
The PTS series is not certified for using in Automotive application and no PPAP. However, in the case of some automotive accessories and specific applications for 2 and 3 wheeled vehicles the PTS is widely used and very suitable. Please contact your local C&K representative to discuss your application and the best switch solution.

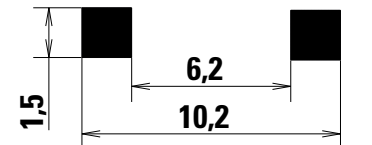
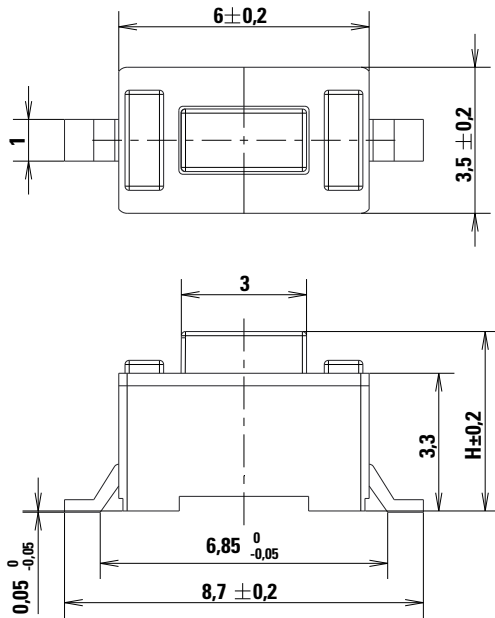
PTS636 Series

6.0 x 3.5 mm Top Actuated



Dimensions

SMT G leads (4.3 & 5.0 mm height)

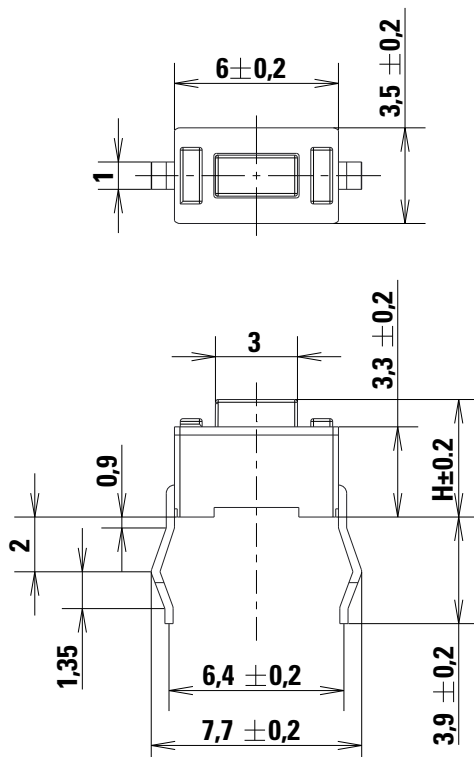


PCB LAND DIMENSION

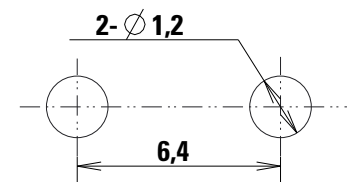


Circuit Diagram

THT versions (4.3 & 5.0 mm height)



Circuit Diagram



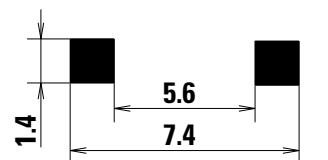
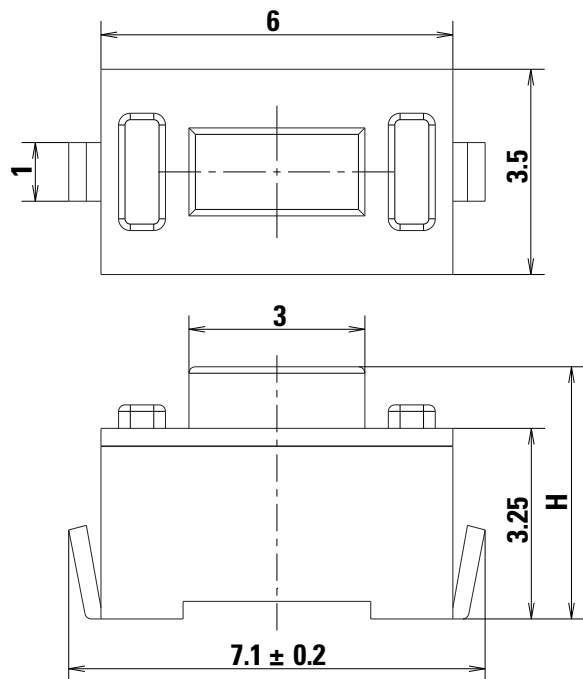
PCB LAND DIMENSION

PTS636 Series

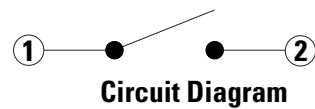
6.0 x 3.5 mm Top Actuated



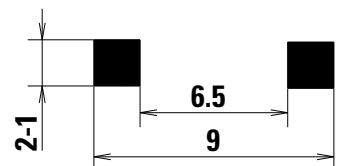
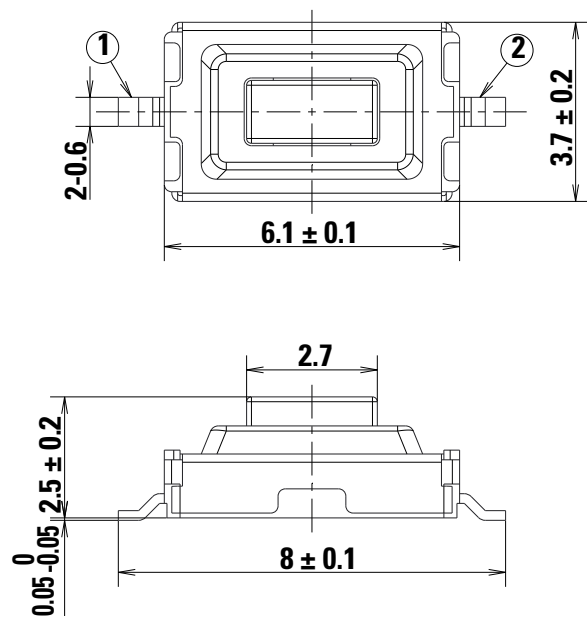
SMT J leads (4.3 & 5.0 mm height)



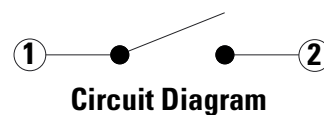
PCB LAND DIMENSION



SMT G leads (2.5 mm height)



PCB LAND DIMENSION

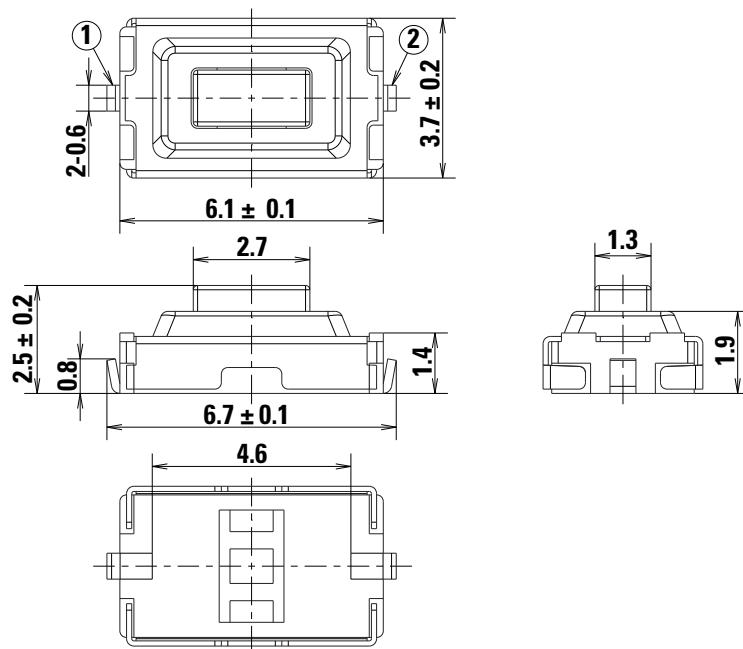


PTS636 Series

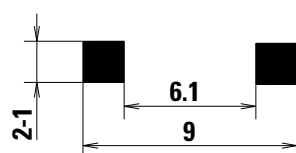
6.0 x 3.5 mm Top Actuated



SMT J leads (2.5 mm height)



PCB LAYOUT

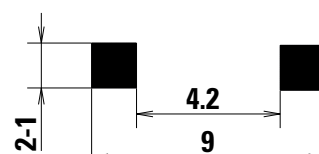
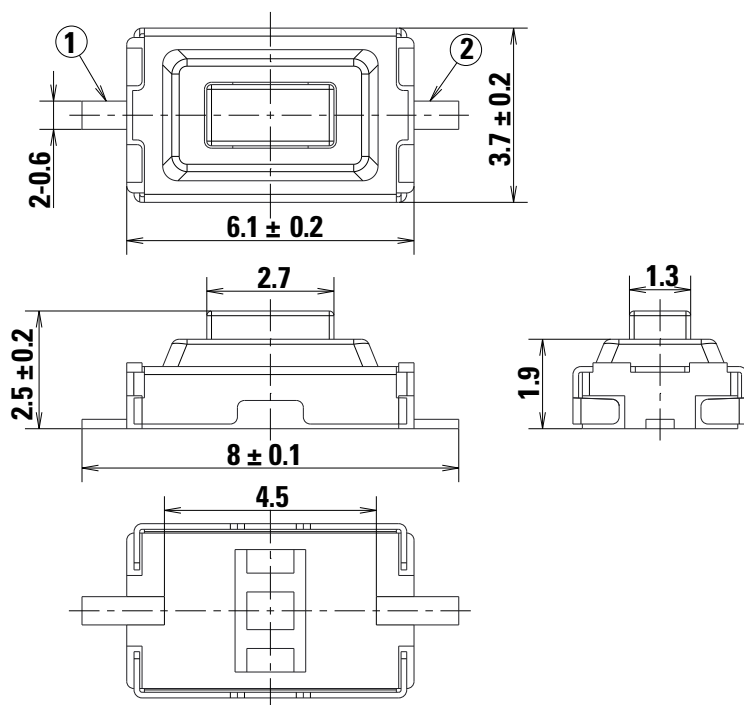


PCB LAND DIMENSION



Circuit Diagram

SMT F leads (2.5 mm height)



PCB LAND DIMENSION



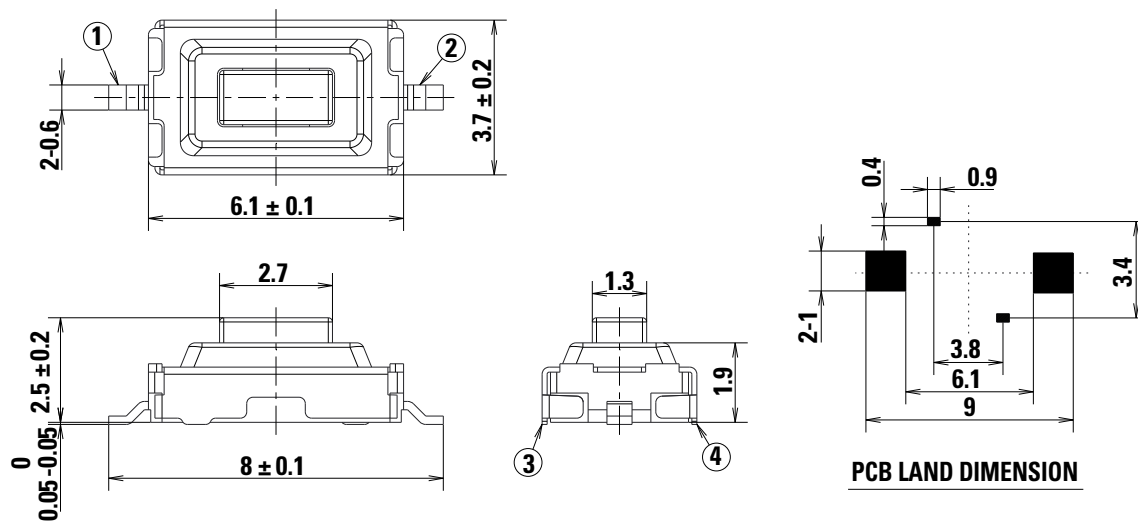
Circuit Diagram

PTS636 Series

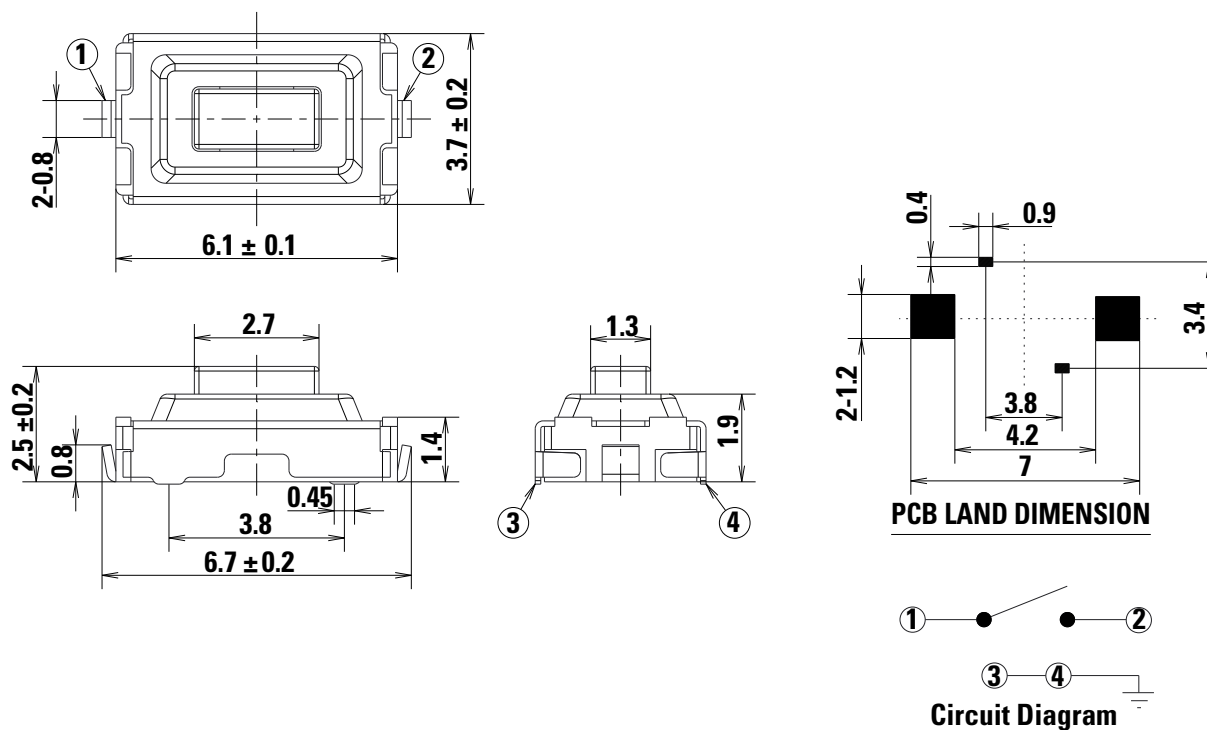
6.0 x 3.5 mm Top Actuated



SMT G leads, with ground pin (2.5 mm height)



SMT J leads, with ground pin (2.5 mm height)



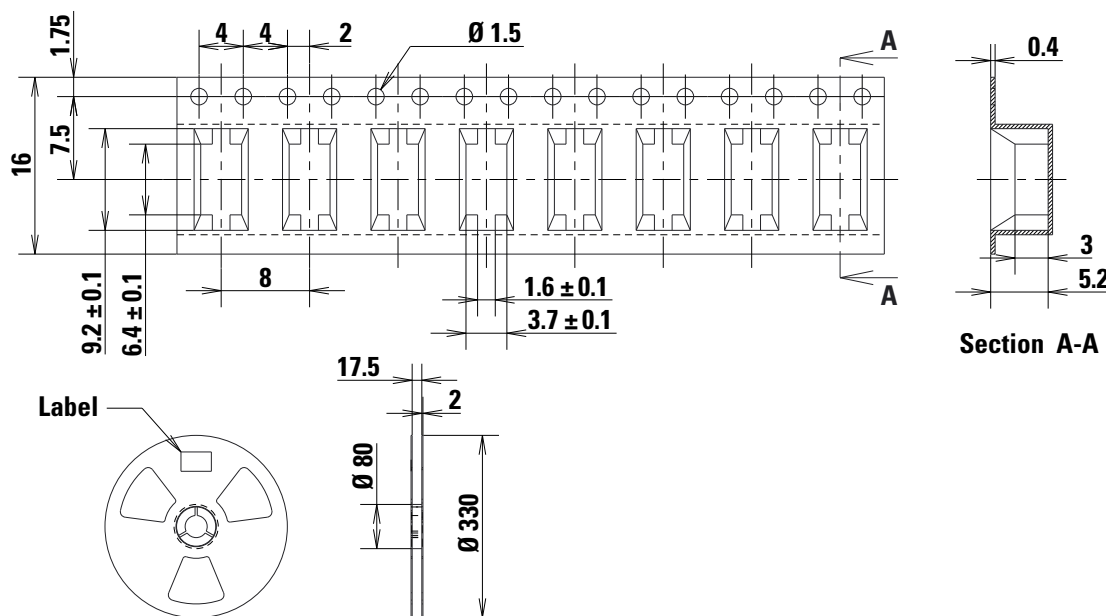
PTS636 Series

6.0 x 3.5 mm Top Actuated

**Packaging**

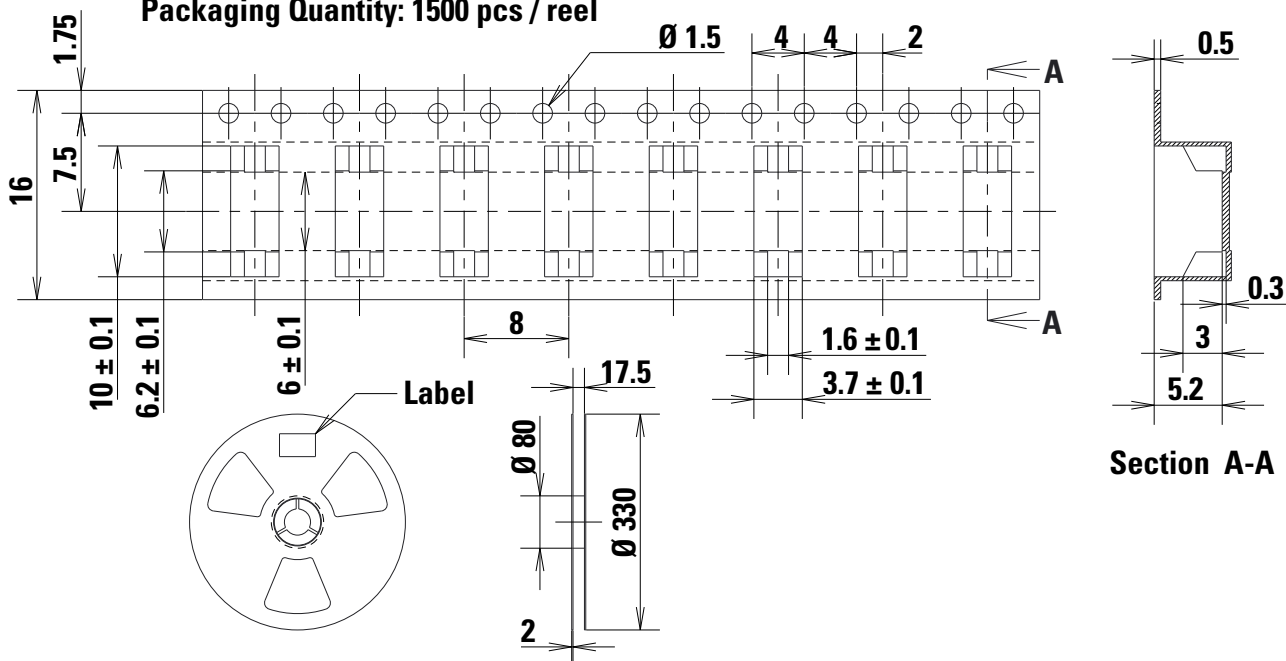
4.3 and 5.0 mm height - G leads

The Dimension of Carrier Tape & Reel
Packaging Quantity : 1500 pcs / reel



4.3 and 5.0 mm height - J leads

The Dimension of Carrier Tape & Reel
Packaging Quantity: 1500 pcs / reel

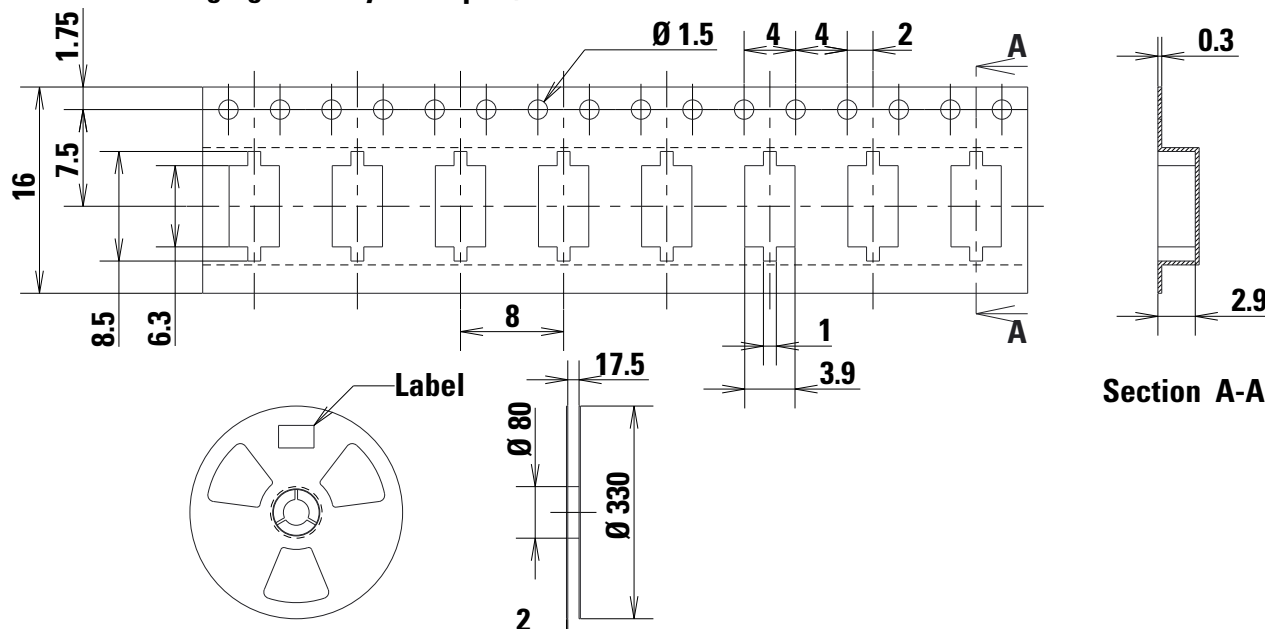


PTS636 Series

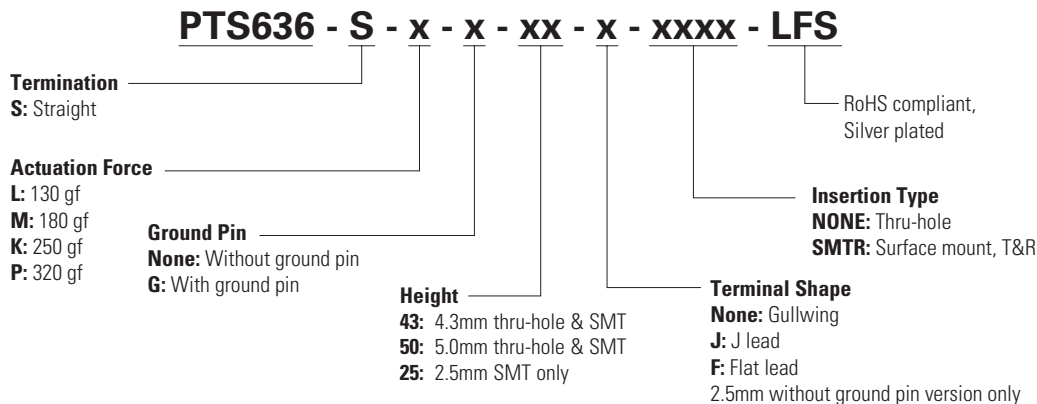
6.0 x 3.5 mm Top Actuated



2.5 mm height

The Dimension of Carrier Tape & Reel
Packaging Quantity : 3000 pcs / reel
**Ordering Number**

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.



Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at <http://www.littelfuse.com/disclaimer-electronics>.