

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

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
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Process

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

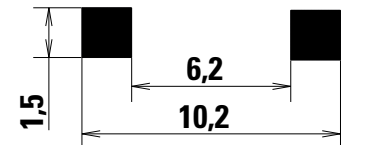
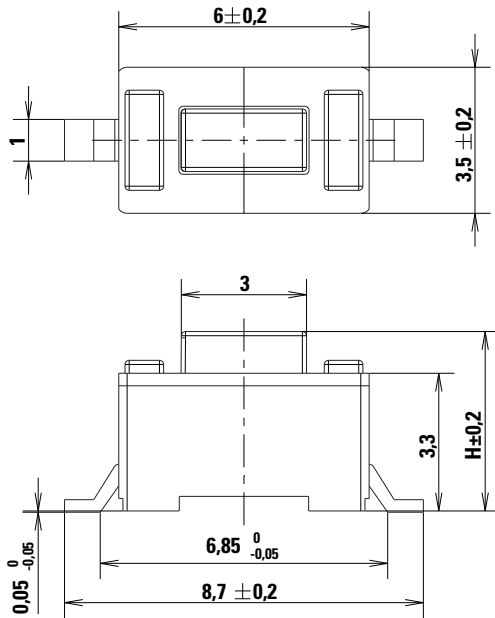
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Dimensions

SMT G leads (4.3 & 5.0 mm height)

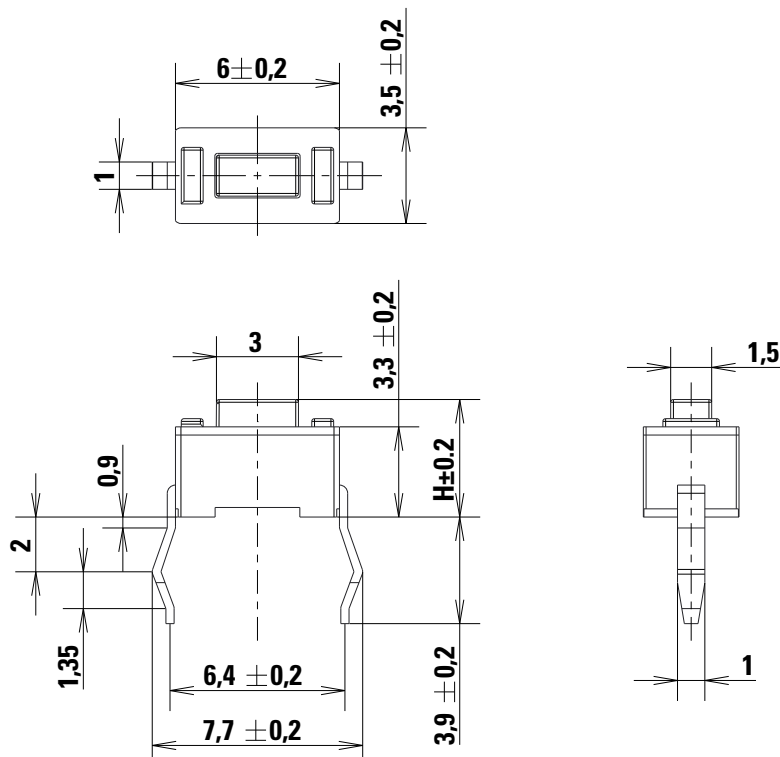


PCB LAND DIMENSION

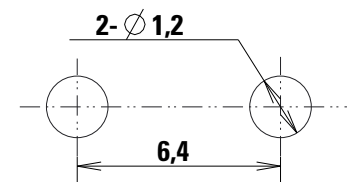


Circuit Diagram

THT versions (4.3 & 5.0 mm height)



Circuit Diagram



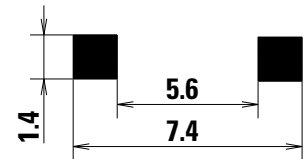
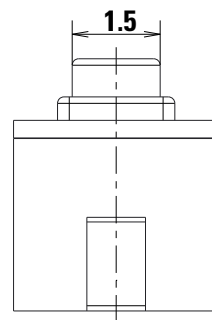
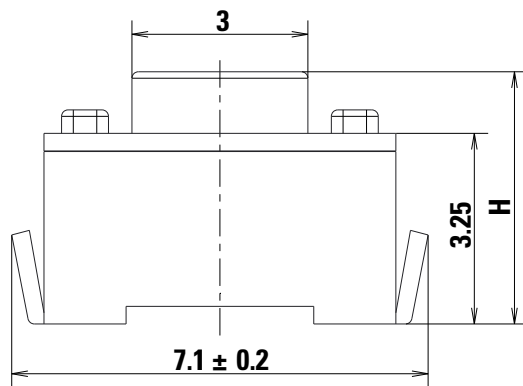
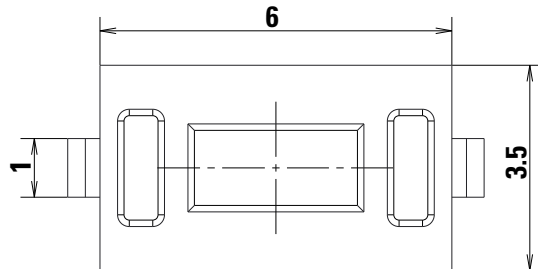
PCB LAND DIMENSION

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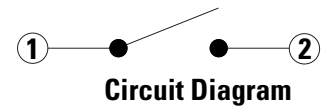
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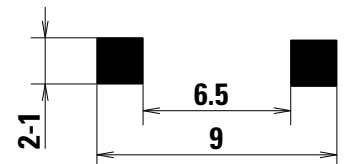
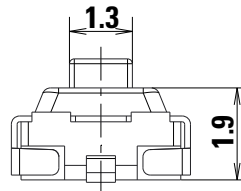
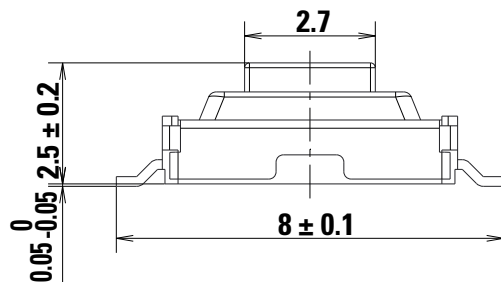
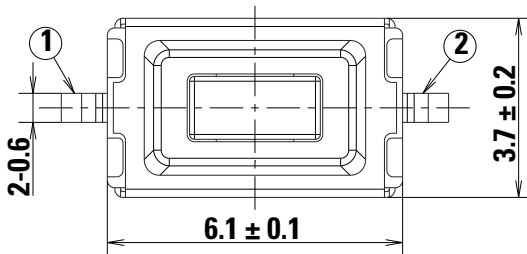
SMT J leads (4.3 & 5.0 mm height)



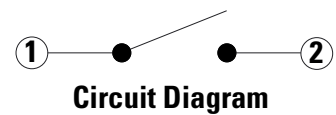
PCB LAND DIMENSION



SMT G leads (2.5 mm height)



PCB LAND DIMENSION

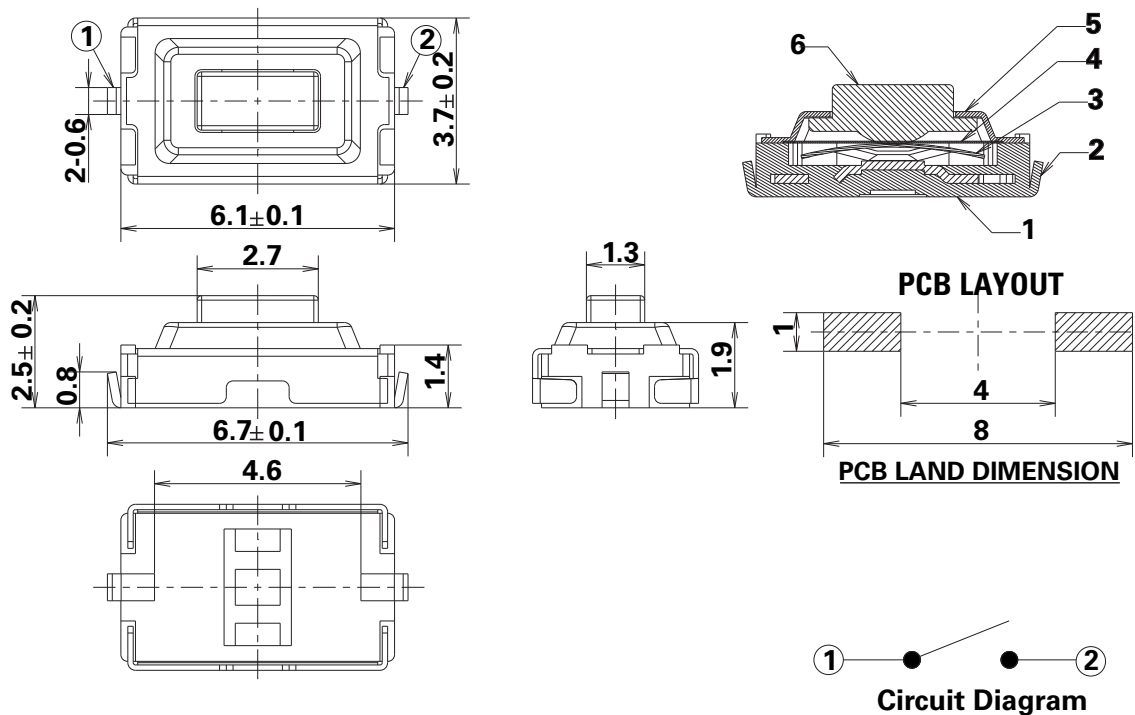


PTS636 Series

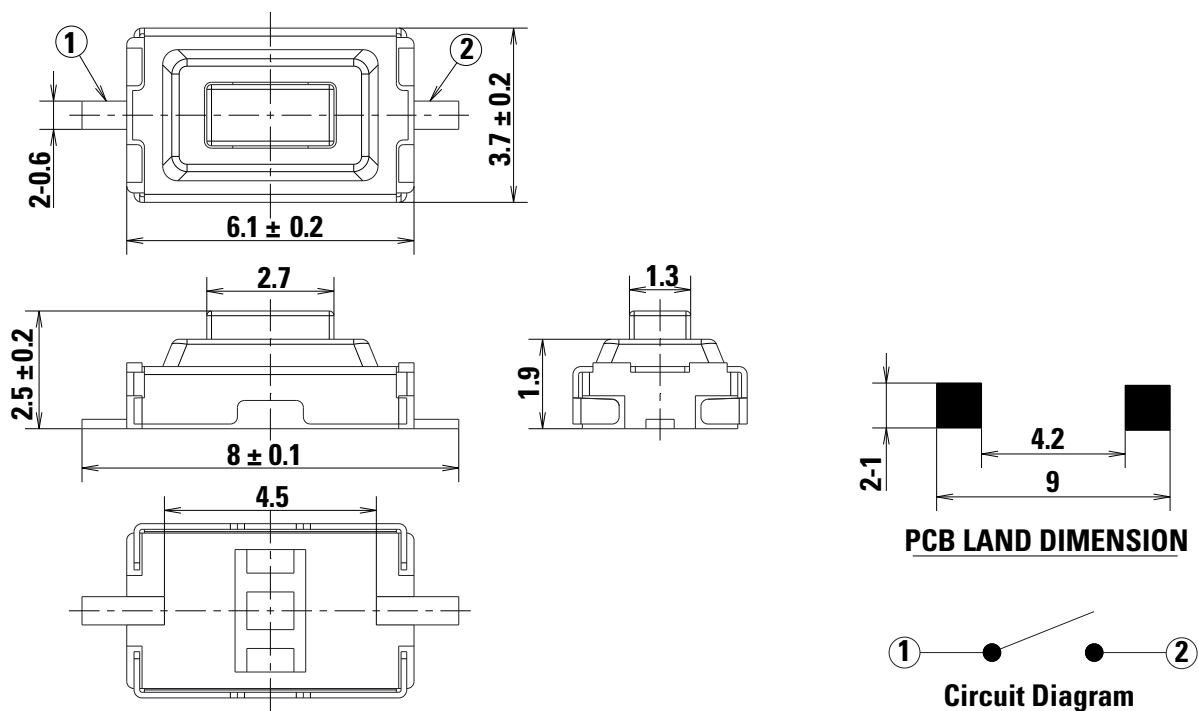
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SMT J leads (2.5 mm height)



SMT F leads (2.5 mm height)

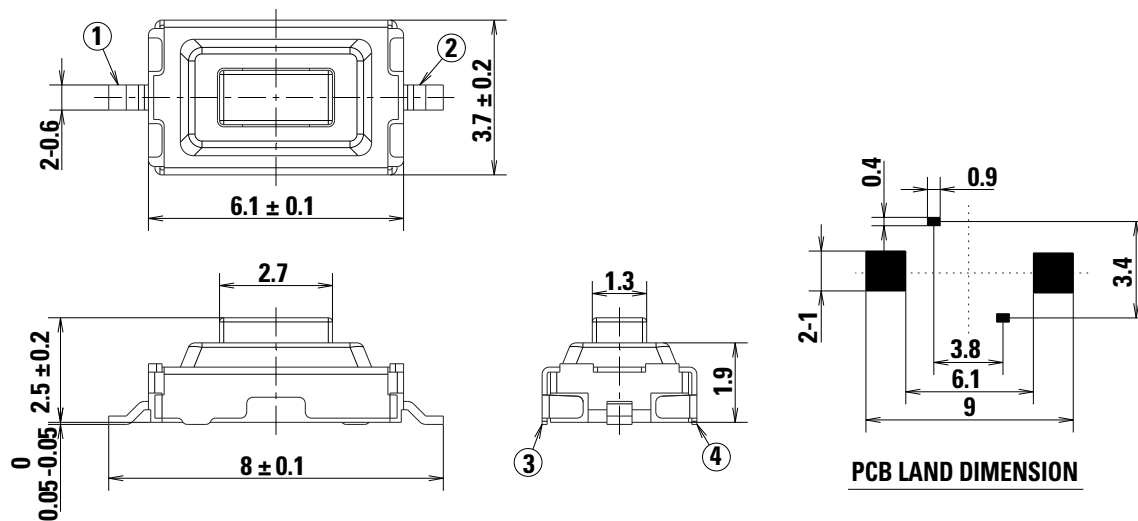


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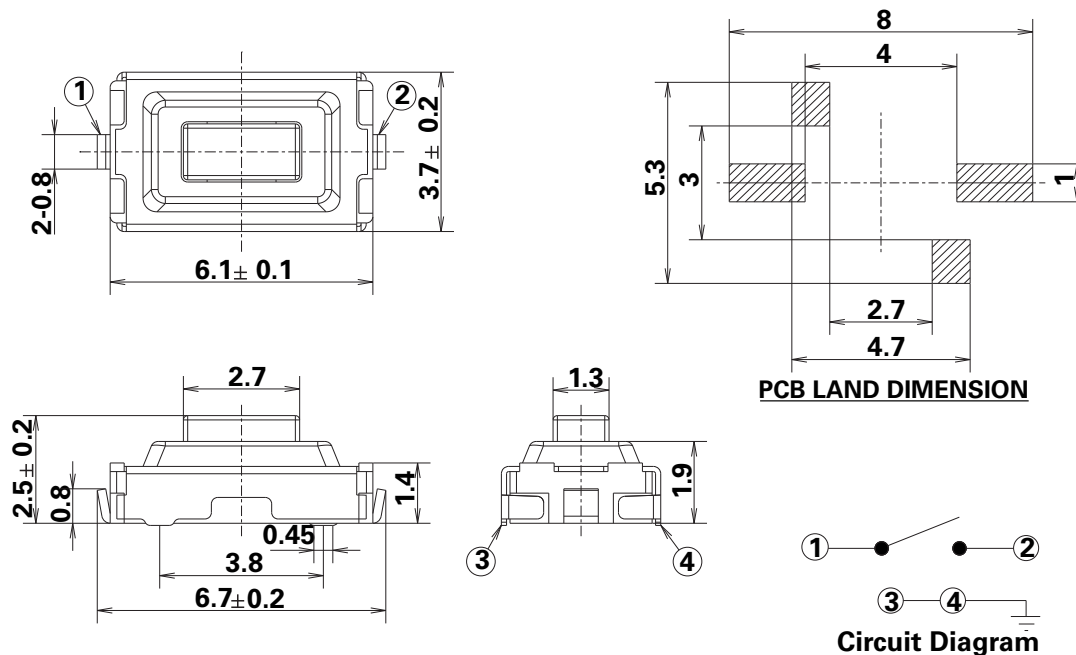
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SMT G leads, with ground pin (2.5 mm height)



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



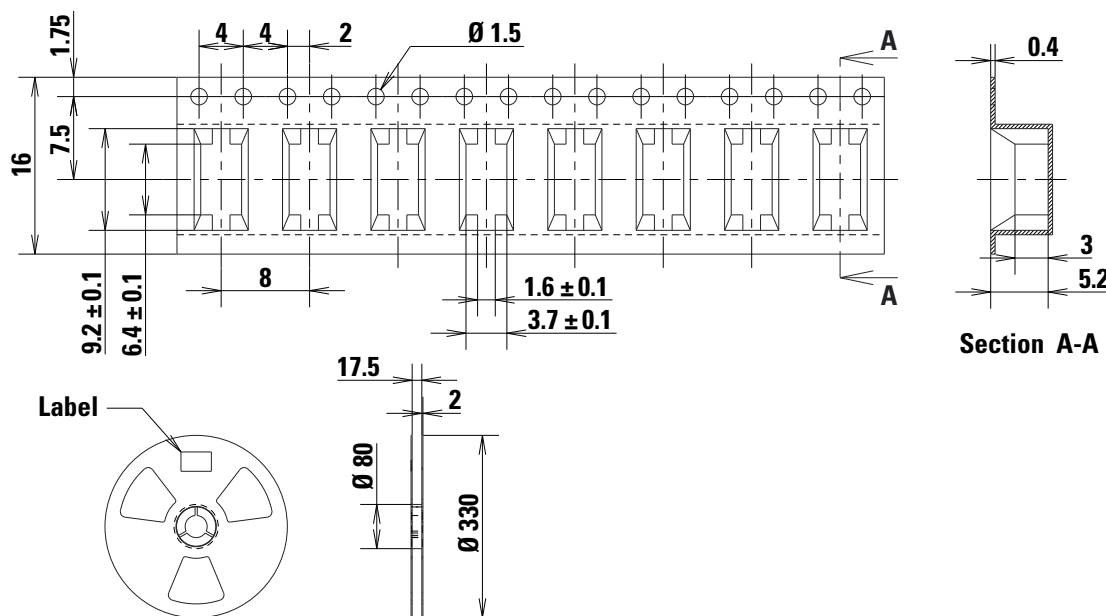
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**Packaging**

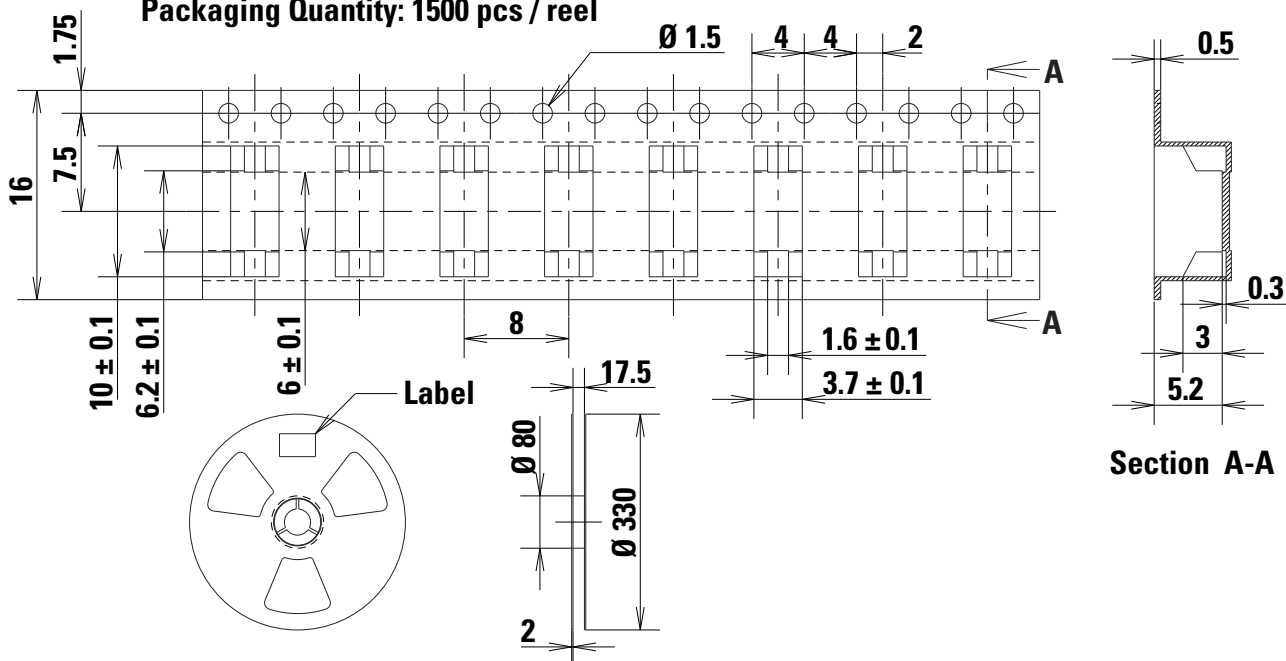
4.3 and 5.0 mm height - G leads

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

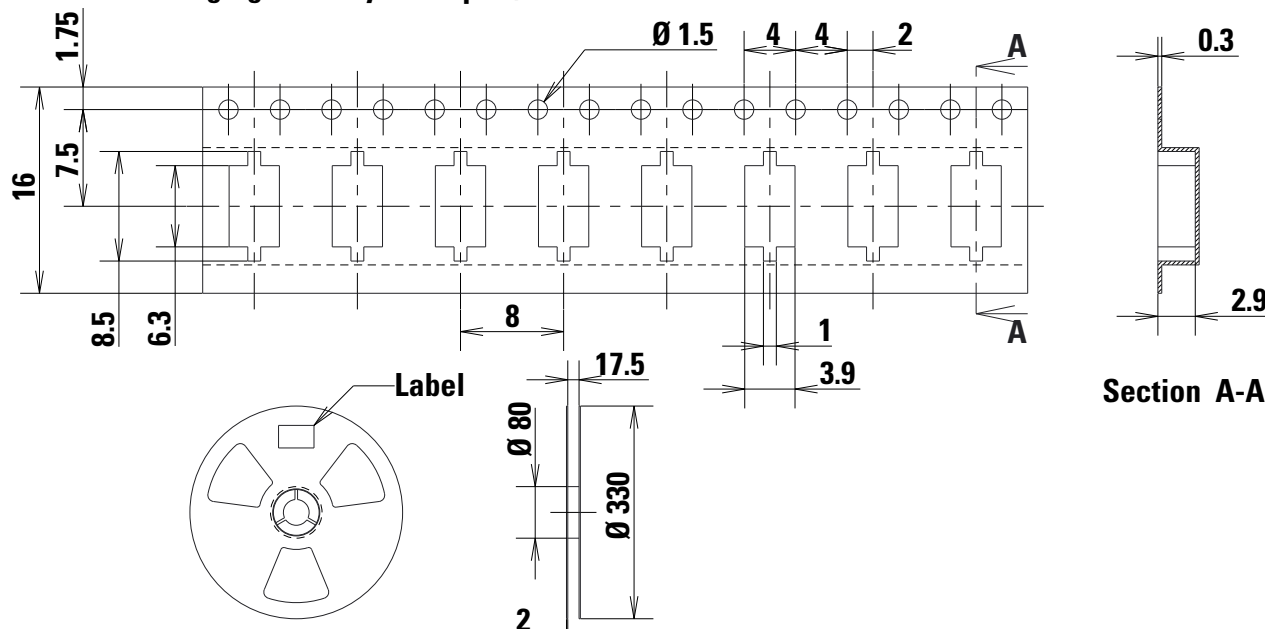


PTS636 Series

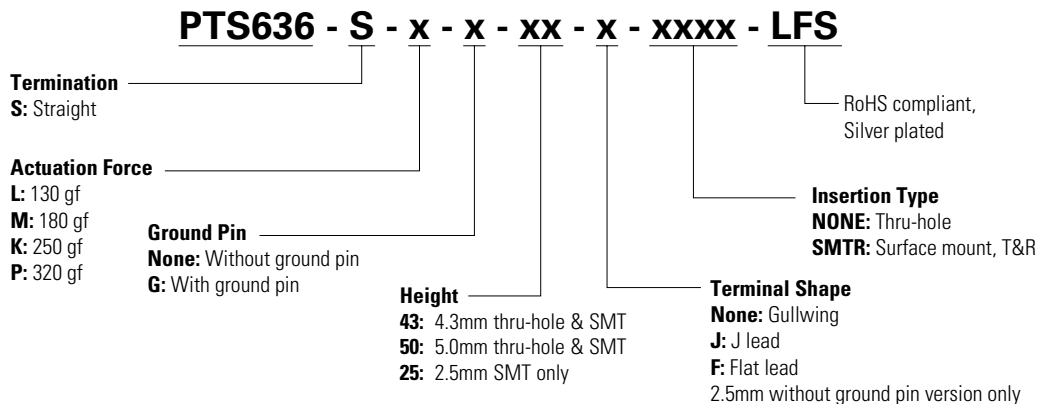
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2.5 mm height

The Dimension of Carrier Tape & Reel
Packaging Quantity : 3000 pcs / reel
**Section A-A****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.



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Mechanical Characteristics

Supply Status	LITTELFUSE Orderable Part Number	Description	Contact & Terminals Plating	Terminals	Ground Pin	Operating Force Fa (Newtons)	Operating Life (operations)	Travel (mm)	Product Height from PCB (mm)	Actuator Color
✓	GSPTS004602	PTS636SK25FSMTR LFS	Silver	Flat lead SMT	No	2.5 +/- 0.5	100000	0.25 ± 0.1	2,50	Red
✓	GSPTS004402	PTS636SK25JSMTR LFS	Silver	J-leads SMT	No	2.5 +/- 0.5	100000	0.25 ± 0.1	2,50	Red
✓	GSPTS004202	PTS636SK25SMTR LFS	Silver	Gull Wing SMT	No	2.5 +/- 0.5	100000	0.25 ± 0.1	2,50	Red
✓	GSPTS003905	PTS636SK43 LFS	Silver	Thu Hole	No	2.5 +/- 0.5	30000	0.25 ± 0.1	4,30	Black
✓	GSPTS004103	PTS636SK43JSMTR LFS	Silver	J-leads SMT	No	2.5 +/- 0.5	30000	0.25 ± 0.1	4,30	Red
✓	GSPTS004005	PTS636SK43SMTR LFS	Silver	Gull Wing SMT	No	2.5 +/- 0.5	30000	0.25 ± 0.1	4,30	Black
✓	GSPTS003906	PTS636SK50 LFS	Silver	Thu Hole	No	2.5 +/- 0.5	30000	0.25 ± 0.1	5,00	Black
✓	GSPTS004104	PTS636SK50JSMTR LFS	Silver	J-leads SMT	No	2.5 +/- 0.5	30000	0.25 ± 0.1	5,00	Red
✓	GSPTS004006	PTS636SK50SMTR LFS	Silver	Gull Wing SMT	No	2.5 +/- 0.5	30000	0.25 ± 0.1	5,00	Black
✓	GSPTS004502	PTS636SKG25JSMTR LFS	Silver	J-leads SMT	Yes	2.5 +/- 0.5	30000	0.25 ± 0.1	2,50	Red
✓	GSPTS004302	PTS636SKG25SMTR LFS	Silver	Gull Wing SMT	Yes	2.5 +/- 0.5	30000	0.25 ± 0.1	2,50	Red
✓	GSPTS003901	PTS636SL43 LFS	Silver	Thu Hole	No	1.3 +/- 0.5	50000	0.25 ± 0.1	4,30	Black
✓	GSPTS004001	PTS636SL43 SMTR LFS	Silver	Gull Wing SMT	No	1.3 +/- 0.5	50000	0.25 ± 0.1	4,30	Black
✓	GSPTS003902	PTS636SL50 LFS	Silver	Thu Hole	No	1.3 +/- 0.5	50000	0.25 ± 0.1	5,00	Black
✓	GSPTS004002	PTS636SL50SMTR LFS	Silver	Gull Wing SMT	No	1.3 +/- 0.5	50000	0.25 ± 0.1	5,00	Black
✓	GSPTS004601	PTS636SM25FSMTR LFS	Silver	Flat lead SMT	No	1.8 +/- 0.3	70000	0.25 ± 0.1	2,50	White
✓	GSPTS004401	PTS636SM25JSMTR LFS	Silver	J-leads SMT	No	1.8 +/- 0.3	70000	0.25 ± 0.1	2,50	White
✓	GSPTS004201	PTS636SM25SMTR LFS	Silver	Gull Wing SMT	No	1.8 +/- 0.3	70000	0.25 ± 0.1	2,50	White
✓	GSPTS003903	PTS636SM43 LFS	Silver	Thu Hole	No	1.8 +/- 0.5	50000	0.25 ± 0.1	4,30	Black
✓	GSPTS004101	PTS636SM43JSMTR LFS	Silver	J-leads SMT	No	1.8 +/- 0.5	50000	0.25 ± 0.1	4,30	Black
✓	GSPTS004003	PTS636SM43SMTR LFS	Silver	Gull Wing SMT	No	1.8 +/- 0.5	50000	0.25 ± 0.1	4,30	Black
✓	GSPTS003904	PTS636SM50 LFS	Silver	Thu Hole	No	1.8 +/- 0.5	50000	0.25 ± 0.1	5,00	Black
✓	GSPTS004102	PTS636SM50JSMTR LFS	Silver	Gull Wing SMT	No	1.8 +/- 0.5	50000	0.25 ± 0.1	5,00	Black
✓	GSPTS004004	PTS636SM50SMTR LFS	Silver	Gull Wing SMT	No	1.8 +/- 0.5	50000	0.25 ± 0.1	5,00	Black
✓	GSPTS004501	PTS636SMG25JSMTR LFS	Silver	J-leads SMT	Yes	1.8 +/- 0.5	50000	0.25 ± 0.1	2,50	White
✓	GSPTS003907	PTS636SP43 LFS	Silver	Thu Hole	No	3.2 +/- 0.5	20000	0.25 ± 0.1	4,30	Black
✓	GSPTS004007	PTS636SP43SMTR LFS	Silver	Gull Wing SMT	No	3.2 +/- 0.5	20000	0.25 ± 0.1	4,30	Black
✓	GSPTS003908	PTS636SP50 LFS	Silver	Thu Hole	No	3.2 +/- 0.5	20000	0.25 ± 0.1	5,00	Black
✓	GSPTS004008	PTS636SP50SMTR LFS	Silver	Gull Wing SMT	No	3.2 +/- 0.5	20000	0.25 ± 0.1	5,00	Black

Notes: Supply status: ✓ Available for ordering.