

PTS525 Series

Micro Miniature Tactile Switch for SMT 5.2 x 5.2 mm



Description

The PTS525 series of micro miniature tactile switches for SMT are available in a ruggedized package, in a compact size, with either a 0.8mm or a 1.5mm actuator height. Often found designed into remote controls, instrumentation and various other consumer products, PTS525 switches can withstand harsh environments to keep working for a high number of cycles.

Features & Benefits

- 0.8 & 1.5 mm actuator height
- High number of cycles
- Ruggedized package in a compact size

Applications

- Consumer products
- Instrumentation
- Remote controls

Specifications

Function	Momentary action
Contact Arrangement	1 make contact SPST NO
Packaging	In reels of 5,000 pieces for 0.8 mm height. In reels of 4,000 pieces for 1.5 height. Dimensions of reels according to EIA 481B. External diameter 330 mm.

Electrical Characteristics

Max. Voltage	15 VDC
Max. Current DC	20 mA
Dielectric Strength	250 vA C (1mn)
Contact Resistance	≤ 100 mΩ
Insulation Resistance	≥ 100 mΩ
Bounce Time	≤ 10 ms

Environmental Characteristics

Operating Temperature	-20°C to 70°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 representative to discuss your application and the best switch solution.

Micro Miniature Tactile Switch for SMT 5.2 x 5.2 mm

Supply Status	LITTELFUSE Orderable Part Number	Description	Contact & Terminals Plating	Terminals	Ground Pin	Operating Force Fa (Newtons)	Operating Life (Operations)	Electrical Travel (mm)	Product Height from PCB (mm)
✓	Y97CT23B2BCFP	PTS525SM08SMTR2 LFS	Silver	Gullwing SMT leads	No	1.6 +/- 0.5	1,000,000	0.25 +/- 0.2	0.8
✓	Y97CT23B2CCFP	PTS525SM15SMTR2 LFS	Silver	Gullwing SMT leads	No	1.6 +/- 0.5	1,000,000	0.25 +/- 0.2	1.5
✓	Y97CT23B5BCFP	PTS525SK08SMTR2 LFS	Silver	Gullwing SMT leads	No	2.6 +/- 0.5	200,000	0.25 +/- 0.2	0.8
✓	Y97CT23B5CCFP	PTS525SK15SMTR2 LFS	Silver	Gullwing SMT leads	No	2.6 +/- 0.5	500,000	0.25 +/- 0.2	1.5
✓	Y97CT23B6CCFP	PTS525SP15SMTR2 LFS	Silver	Gullwing SMT leads	No	3.2 +/- 1.0	50,000	0.25 +/- 0.2	1.5
✓	Y97CT24B2CCFP	PTS525SMG15SMTR2 LFS	Silver	Gullwing SMT leads	Yes	1.6 +/- 0.5	1,000,000	0.25 +/- 0.2	1.5
✓	Y97CT24B5CCFP	PTS525SKG15SMTR2 LFS	Silver	Gullwing SMT leads	Yes	2.6 +/- 0.5	500,000	0.25 +/- 0.2	1.5
✓	Y97CT26B2CCFP	PTS525SMG15JSMTR2 LFS	Silver	J bend leads	Yes	1.6 +/- 0.5	1,000,000	0.25 +/- 0.2	1.5
✓	Y97CT26B5CCFP	PTS525SKG15JSMTR2 LFS	Silver	J bend leads	Yes	2.6 +/- 0.5	500,000	0.25 +/- 0.2	1.5

ORO: Available On Request Only. Please contact your Littelfuse representative for details.

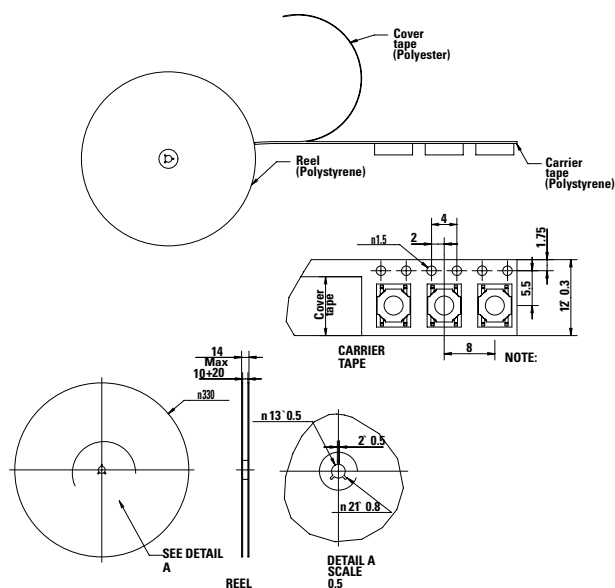
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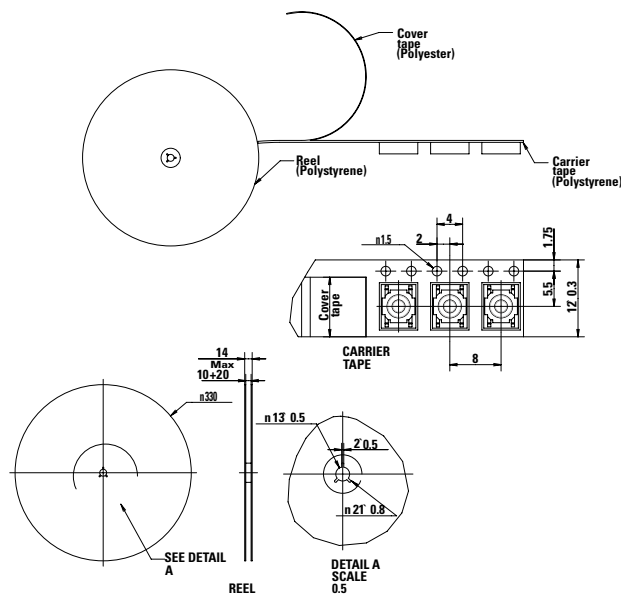


Tape & Reel

0.8 mm Height, 5,000 Pieces per Reel



1.5 mm Height, 4,000 Pieces per 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. For any part number different from those listed above, please consult your local representative.

PTS525 - S - x - x - xx - x - SMTR - LFS

Actuator Type

S: Standard

Actuation Force

M: 160 gf

K: 260 gf

P: 320 gf

Ground Pin

No digit: No ground pin

G: Ground pin

Height

08: 0.8 mm height

15: 1.5 mm height

Packaging

SMTR2: Tape & Reel

Termination

No digit: Gullwing SMT leads

J: J bend leads

LFS: RoHS, silver plated

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>.