NEW

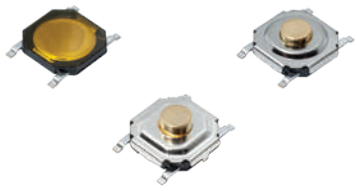
PTS526 Series
Microminiature SMT Top Actuated

Features/Benefits

- *5.2 x 5.2 mm footprint*
- *Variable thickness*
- *Commercial grade*

Typical Applications

- *IoT devices*
- *Home automation*
- *Remote controls*



Specifications

FUNCTION: momentary action
CONTACT ARRANGEMENT: 1 make contact = SPST N.O.
TERMINALS: J and G type for SMT
TRAVEL: 0.25 mm +/- 0.1 mm

Item Description	Operation Force (gf)	Operating Life	Ground Pin
PTS526SM***SMTR2 LFS	160 ± 50	500,000	Without ground pin
PTS526SK***SMTR2 LFS	250 ± 50	200,000	Without ground pin
PTS526SP***SMTR2 LFS	320 ± 50	100,000	Without ground pin
PTS526SMG***SMTR2 LFS	160 ± 50	500,000	With ground pin
PTS526SKG***SMTR2 LFS	250 ± 50	200,000	With ground pin
PTS526SPG***SMTR2 LFS	320 ± 50	100,000	With ground pin
PTS526SM****SMTR21 LFS	160 ± 50	1,000,000	Without ground pin
PTS526SMG****SMTR21 LFS	160 ± 50	1,000,000	With ground pin

* PTS526SX08 SMTR2 LFS 160gf version with 200,000 life cycles

Environmental

OPERATING TEMPERATURE: -40°C to 85°C

Electrical

MAXIMUM VOLTAGE: 12 VDC
MAXIMUM CURRENT DC: 50 mA
DIELECTRIC STRENGTH: 250 VA C (1mn)
CONTACT RESISTANCE: ≤ 100 mΩ initial
INSULATION RESISTANCE: ≥ 100 MΩ
BOUNCE TIME: ≤ 10 ms

Process

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

Packaging

In reels of 5,000 pieces for 0.8 mm height
In reels of 4.000 pieces for 1.5 ; 1.7 and 2.0 mm height
Dimensions of reels according to EIA 481B
External diameter 330 mm

NOTE:

- 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.

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.

For any part number different from those listed above, please consult your local representative.

P	T	S	5	2	6		S							S	M	T	R	2		L	F	S

Actuator Type
S Standard

Actuation Force
M 160 gf
K 250 gf
P 320 gf

Ground Pin
No digit No ground pin
G Ground pin

Height
08 0,8 mm height - **ground pin, 320gf and J leads options are not available**
15 1,5 mm height
17 1,7 mm height
20 2,0 mm height

Termination
No digit Gullwing SMT leads
J J bend leads - **this option comes only with ground pin**

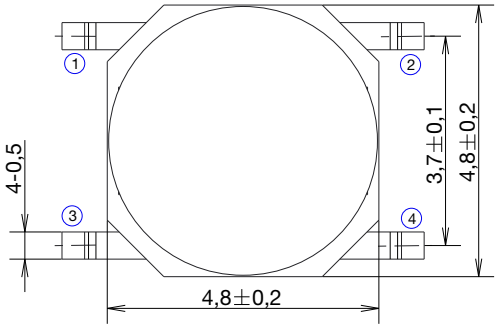
Packaging
SMTR2 Tape & reel

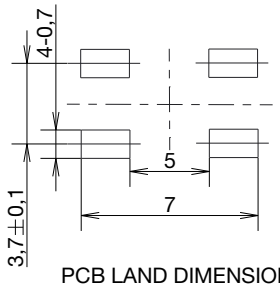
Standard Life Cycle
No digit 160gf: 500k life cycles
250gf: 200k life cycles
320gf: 100k life cycles
1 1000k life cycles (only for 160gf)

LFS RoHS, silver plated

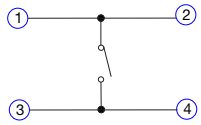
NEW

0.8 mm height – G leads lead only, no ground pin

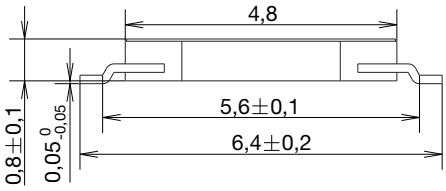


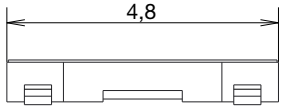


PCB LAND DIMENSION

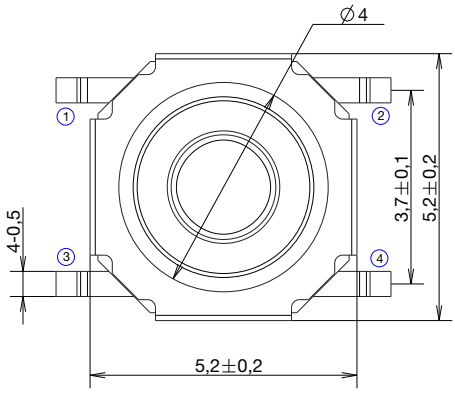


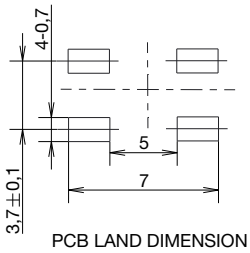
CIRCUIT DIAGRAM



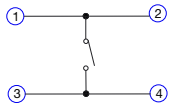


1.5 ; 1.7 and 2.0 mm height – G leads, no ground pin

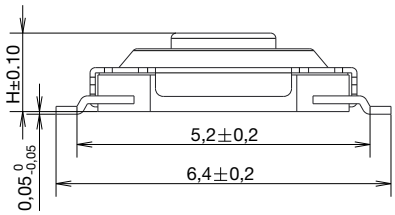


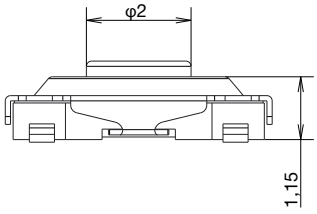


PCB LAND DIMENSION

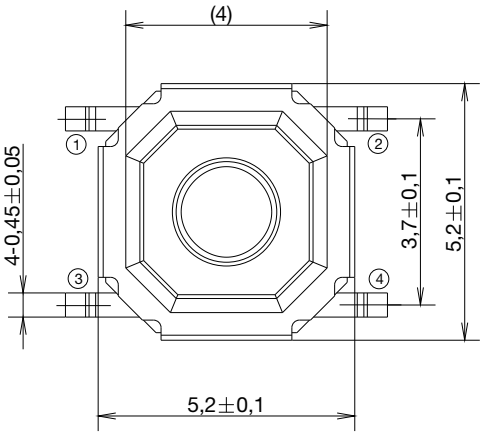


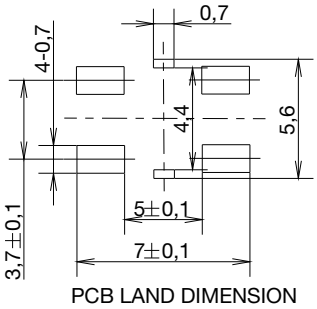
CIRCUIT DIAGRAM



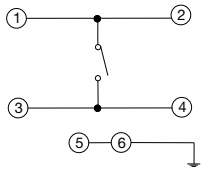


1.5 ; 1.7 and 2.0 mm height – G leads, with ground pin

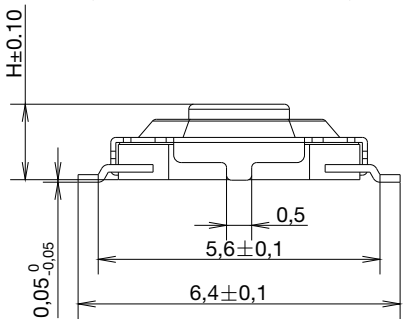


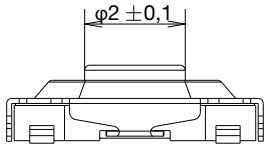


PCB LAND DIMENSION

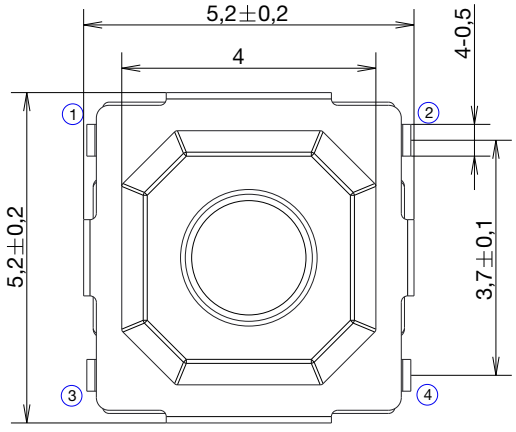


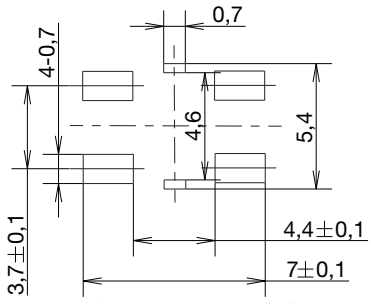
CIRCUIT DIAGRAM



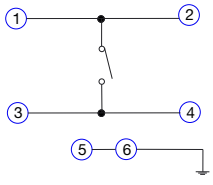


1.5 ; 1.7 and 2.0 mm height – J leads, with ground pin

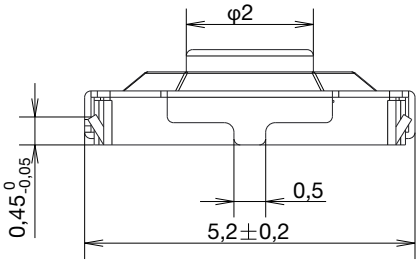


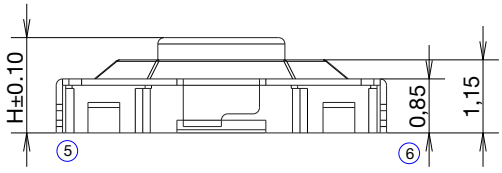


PCB LAND DIMENSION



CIRCUIT DIAGRAM

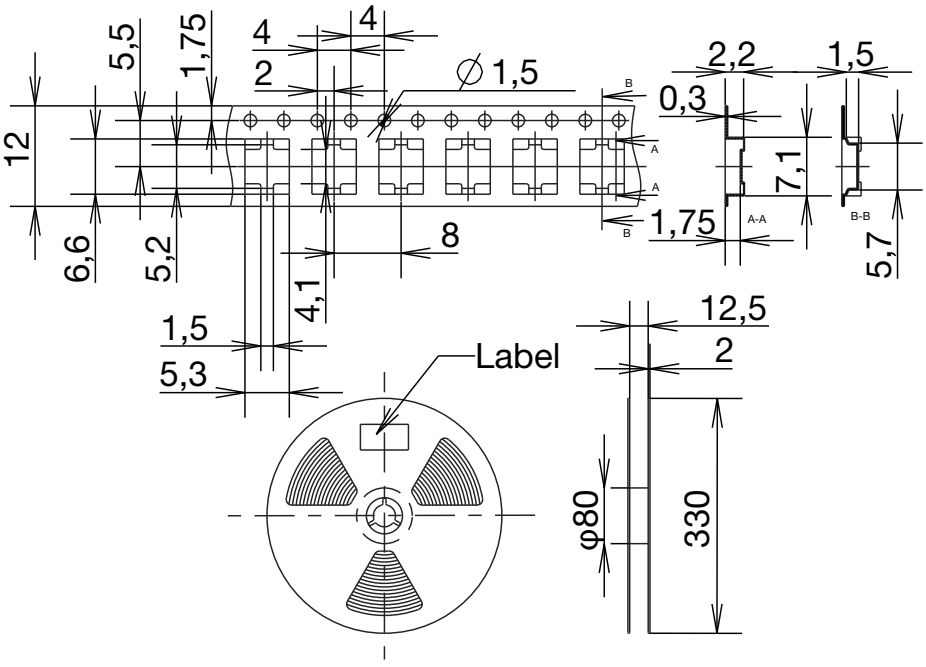




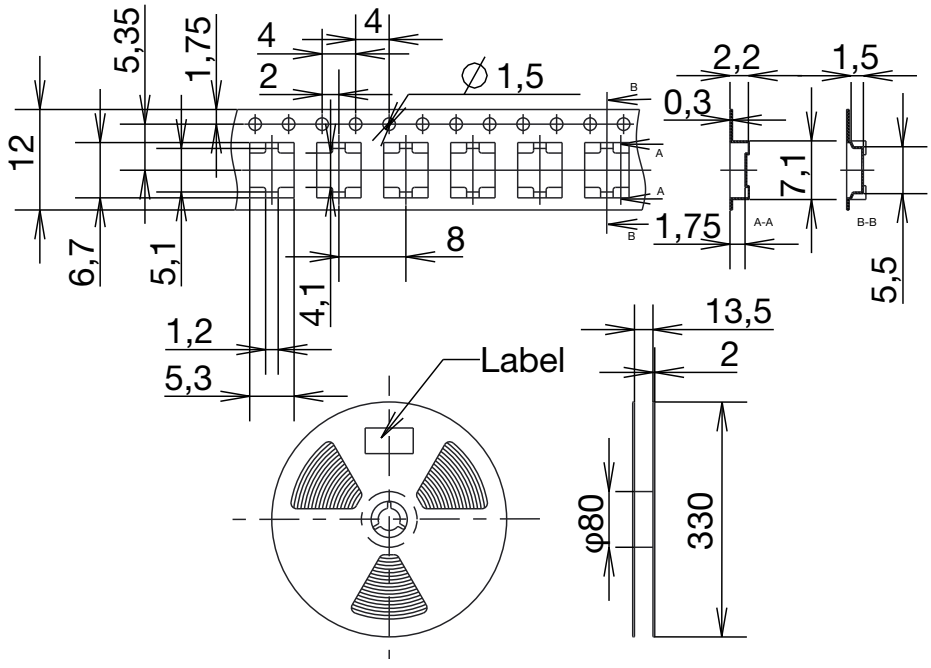
NEW

TAPE & REEL

0,8 mm height
5,000 pieces per reel



1.5; 1.7 and 2.0 mm height
4,000 pieces per reel



First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change