

# PTS 810 Series Microminiature SMT Top Actuated

## Features/Benefits

- 4.2 x 3.2 mm footprint
- 2.5 mm thickness
- High number of cycles
- Color coded actuators

## Typical Applications

- Control panels
- Nomad devices
- Remote controls
- Keyless entry system



## Specifications

FUNCTION: momentary action  
 CONTACT ARRANGEMENT: 1 make contact = SPST N.O.  
 TERMINALS: J type for SMT  
 TRAVEL: 160 & 260 gf: 0.15mm ± 0.1mm  
 400 & 600 gf: 0.20mm ± 0.1mm

|                         | Operating Force (gf) | Operating Life (operations) |
|-------------------------|----------------------|-----------------------------|
| PTS810 SJM 250 SMTR LFS | 160 ± 50             | 150,000                     |
| PTS810 SJK 250 SMTR LFS | 260 ± 70             | 50,000                      |
| PTS810 SJG 250 SMTR LFS | 400 ± 100            | 100,000                     |
| PTS810 SJS 250 SMTR LFS | 600 ± 150            | 150,000                     |

## Packaging

Switches in reels of 2,900 pieces.  
 Dimensions of reels according to EIA 481B  
 External diameter 330 mm

## Electrical

MAXIMUM VOLTAGE: 16 VDC  
 MAXIMUM CURRENT DC: 50 mA  
 DIELECTRIC STRENGTH: 250 VA C (1mn)  
 CONTACT RESISTANCE: ≤ 500 mΩ  
 INSULATION RESISTANCE: ≥ 100 MΩ  
 BOUNCE TIME: ≤ 10 ms

## Environmental

OPERATING TEMPERATURE: -40°C to 85°C

## Process

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

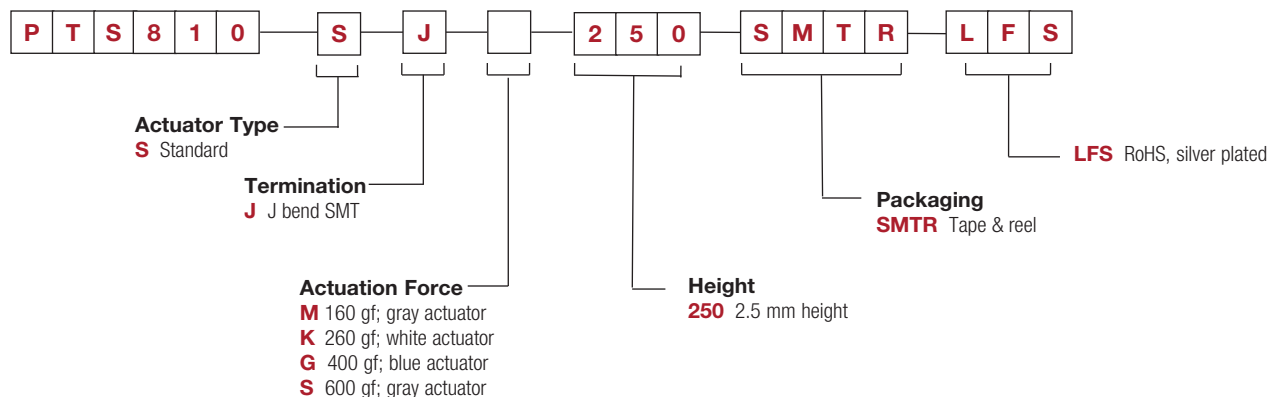
**NOTE:** Specifications listed above are for switches with standard options.  
 For information on specific and custom switches, consult Customer Service Center.

Tactile Switches

## 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.

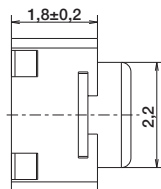
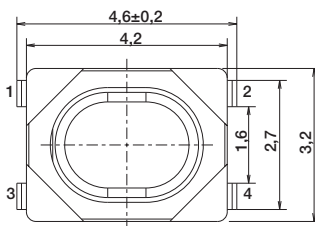
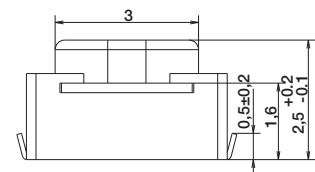


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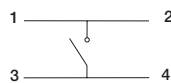
PTS810

Tactile Switches

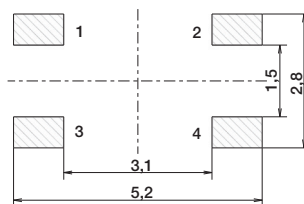
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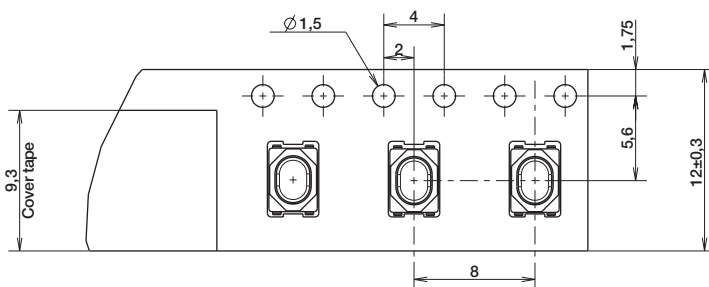
SCHEMATIC



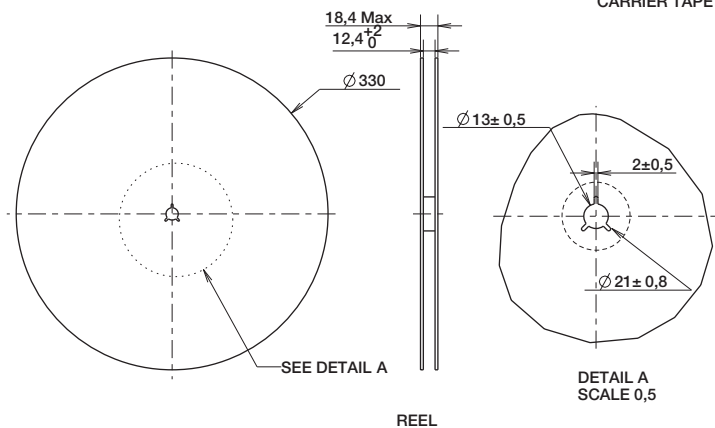
RECOMMENDED PCB LAYOUT



## TAPE & REEL



CARRIER TAPE



DETAIL A  
SCALE 0,5

REEL



Dimensions are shown: mm  
Specifications and dimensions subject to change