## PTS 525 Series
### Microminiature Tact Switch for SMT

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

**Typical Applications**
- Consumer products
- Instrumentation
- Remote controls

### Specification

**FUNCTION:** Momentary action  
**CONTACT ARRANGEMENT:** 1 make contact = SPST, N.O.

**Electrical**
- **MAXIMUM VOLTAGE:** 15 VDC  
- **MAXIMUM CURRENT DC:** 20 mA  
- **DIELECTRIC STRENGTH:** 250 VA C (1m)  
- **CONTACT RESISTANCE:** ≤ 100 mΩ  
- **INSULATION RESISTANCE:** ≥ 100 MΩ  
- **BOUNCE TIME:** ≤ 10 ms

**Environmental**
- **OPERATING TEMPERATURE:** -20˚C to 70˚C

**Process**

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

**Packaging**
- Switches in reels of:
  - 5,000 pieces in 0.8 mm height  
  - 4,000 pieces in 1.5 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.

### How To Order

Please see chart below for full part numbers.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Height (mm)</th>
<th>Leads Shape</th>
<th>Ground Pin</th>
<th>Force</th>
<th>Travel (mm)</th>
<th>Operating Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTS525 SM08 SMTR 2 LFS</td>
<td>0.8</td>
<td>G</td>
<td>No</td>
<td>160 gf ± 50 gf</td>
<td>0.25 ± 0.2</td>
<td>1,000,000</td>
</tr>
<tr>
<td>PTS525 SK08 SMTR 2 LFS</td>
<td>0.8</td>
<td>G</td>
<td>No</td>
<td>260 gf ± 50 gf</td>
<td>0.25 ± 0.2</td>
<td>200,000</td>
</tr>
<tr>
<td>PTS525 SM15 SMTR 2 LFS</td>
<td>1.5</td>
<td>G</td>
<td>No</td>
<td>160 gf ± 50 gf</td>
<td>0.25 ± 0.2</td>
<td>1,000,000</td>
</tr>
<tr>
<td>PTS525 SK15 SMTR 2 LFS</td>
<td>1.5</td>
<td>G</td>
<td>No</td>
<td>260 gf ± 50 gf</td>
<td>0.25 ± 0.2</td>
<td>500,000</td>
</tr>
<tr>
<td>PTS525 SMG15 SMTR 2 LFS</td>
<td>1.5</td>
<td>G</td>
<td>Yes</td>
<td>160 gf ± 50 gf</td>
<td>0.25 ± 0.2</td>
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<td>500,000</td>
</tr>
<tr>
<td>PTS525 SMG15J SMTR 2 LFS</td>
<td>1.5</td>
<td>J</td>
<td>Yes</td>
<td>160 gf ± 50 gf</td>
<td>0.25 ± 0.2</td>
<td>1,000,000</td>
</tr>
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PTS525 SMG15J SMTR2 LFS
PTS525 SKG15J SMTR2 LFS

RECOMMENDED PCB LAYOUT

TAPE & REEL

0.8 mm height
5,000 pieces per reel

SEE DETAIL A

DETAL A
SCALE
0,5

Dimensions are shown: mm
Specifications and dimensions subject to change

www.ckswitches.com