Features
- Super-thin 4.5 mm square SMD
- Two different operating forces
- 0.55 mm height without knob
- Compatible with surface mount reflow soldering processes
- RoHS compliant*

STJN-4 SMD Super-Thin Tact Switch

Electrical Characteristics
Max. Power Rating 12 VDC max., 20 mA
Contact Resistance
..........................................100 milliohms max.
Insulation Resistance
...............................50 megohms min., 100 VDC
Dielectric Strength
..........................................AC 100 V for 1 minute
Bounce
On........................................3 ms max.
Off.........................................10 ms max.
Circuit ......................................N.O. SPST

Mechanical Characteristics
Mechanical Life.............................50,000 cycles min.
Actuation Force
..........................................160 gf ±50 gf (1.6 N ± 0.5 N)
..........................................240 gf ±60 gf (2.4 N ± 0.6 N)
Stroke ........................................0.2 mm ±0.1 mm

General Characteristics
Switch Type ....................................(N.O.) SPST
Operating Temperature Range
..........................................-20 °C to +70 °C
Storage Temperature Range
..........................................-40 °C to +85 °C

How to Order

STJ N - 4 05 - N TR

Model
Thin SMD Tact Switch
Product Code
N = Non-washable
Size
4 = 4.5 mm
Height
05 = 0.55 mm (without knob)
Actuating Force
N = 150 gf (1.6 N)
P = 240 gf (2.4 N)
Packaging
TR = Embossed Tape
10,000 pcs./reel

Reflow Soldering Profile

<table>
<thead>
<tr>
<th>Time (Sec.)</th>
<th>Temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>2</td>
<td>100</td>
</tr>
<tr>
<td>10</td>
<td>180</td>
</tr>
<tr>
<td>30</td>
<td>275</td>
</tr>
</tbody>
</table>

Product Dimensions

Reflow Soldering Profile

Dimensions: MM

Recommended PCB Layout

Circuit Diagram

REV. 02/06

Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.