# TL3300 Series Tact Switch

## Specifications

- **Electrical Rating:** 50mA, 12VDC
- **Life Expectancy:** up to 200,000 Cycles
- **Contact Resistance:** 100mΩ Max.
- **Insulation Resistance:** 100MΩ Min. at 500VDC
- **Dielectric Strength:** 250VAC for 1 Minute
- **Operating Temperature:** -25°C to 70°C
- **Operating Force:**
  - 160gf (200,000 cycles)
  - 260gf (100,000 cycles)
  - 320gf, 520gf (50,000 cycles)
- **Travel:** 0.35mm
- **Function:** SPST, Off-(On), Momentary

## Features & Benefits

- Up to 200,000 cycle life expectancy
- Multiple actuator options
- Multiple force options

## Applications / Markets

- Audio / Visual
- Computer Peripherals
- Consumer Electronics
- Instrumentation
- Medical Equipment
- Telecommunication
- Instrumentation

## Part Number Configurator

<table>
<thead>
<tr>
<th>Series</th>
<th>Circuit</th>
<th>Actuator “L”</th>
<th>Operating Force</th>
<th>Plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL</td>
<td>3300</td>
<td>A - 7.3mm (Knob: 3.8mm Sq.)</td>
<td>F160 - 160 gf, F260 - 260 gf, F320 - 320 gf, F520 - 520 gf</td>
<td>Q - Silver</td>
</tr>
<tr>
<td></td>
<td>- Off-(On)</td>
<td>C - 8.5mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>D - 4.3mm</td>
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</tbody>
</table>

*Specifications subject to change without notice 2.19.2019*
TL3300 Series Tact Switch

Body Dimensions
Actuator Option C

![Schematic]

Recommended PCB Layout

<table>
<thead>
<tr>
<th>Body Dimensions</th>
<th>Actuator Option C</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.50 [0.610 in]</td>
<td>12.40 [0.488 in]</td>
</tr>
<tr>
<td>6.60 [0.260 in]</td>
<td>3.40 [0.134 in]</td>
</tr>
<tr>
<td>12.00 [0.472 in]</td>
<td>12.00 [0.472 in]</td>
</tr>
<tr>
<td>.50 [0.020 in]</td>
<td>5.00 [0.197 in]</td>
</tr>
<tr>
<td>.30 [0.012 in]</td>
<td>1.00 [0.039 in]</td>
</tr>
<tr>
<td>8.50 [0.335 in]</td>
<td>3.50 [0.138 in]</td>
</tr>
<tr>
<td>15.00 [0.591 in]</td>
<td></td>
</tr>
</tbody>
</table>
TL3300 Series Tact Switch

Body Dimensions
Actuator Option D

Schematic

Recommended PCB Layout

12.00 [.472 in]

12.00 [.472 in]

∅7.10 [.280 in]

.50 [.020 in]

.30 [.012 in]

4.30 [.169 in]

1.00 [.039 in]

5.00 [.197 in]

3.50 [.138 in]

15.00 [.591 in]