

**2.6x1.6mm Compact Type with Projection (Surface Mount Type)**

1.6mm width contributes to thinner devices

![Image of TACT Switch]

### Typical Specifications

<table>
<thead>
<tr>
<th>Items</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rating (max.)</td>
<td>50mA 12V DC</td>
</tr>
<tr>
<td>Rating (min.)</td>
<td>10μA 1V DC</td>
</tr>
<tr>
<td>Initial contact resistance</td>
<td>500mΩ max.</td>
</tr>
<tr>
<td>Travel (mm)</td>
<td>0.11</td>
</tr>
<tr>
<td>Protective structure</td>
<td>IP67 equivalent</td>
</tr>
<tr>
<td></td>
<td>IP68 equivalent (SKTDAE010)</td>
</tr>
</tbody>
</table>

#### Product Line

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Operating force</th>
<th>Operating direction</th>
<th>Operating life (5mA 6V DC)</th>
<th>Minimum order unit (pcs.)</th>
<th>Drawing No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKTAACE010</td>
<td>1.0N</td>
<td>Top push</td>
<td>300,000cycles</td>
<td>Japan 20,000</td>
<td>1</td>
</tr>
<tr>
<td>SKTAAAE010</td>
<td>1.6N</td>
<td>Top push</td>
<td>500,000cycles</td>
<td>Export 20,000</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Packing Specifications

**Taping**

<table>
<thead>
<tr>
<th>Number of packages (pcs.)</th>
<th>Tape width (mm)</th>
<th>Export package measurements (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 reel</td>
<td>200,000</td>
<td>200,000</td>
</tr>
<tr>
<td>1 case / Japan</td>
<td>12</td>
<td>395x395x205</td>
</tr>
<tr>
<td>1 case / export packing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note**

For reels of 330mm diameter, please inquire.

#### Dimensions

<table>
<thead>
<tr>
<th>No.</th>
<th>Style</th>
<th>PC board mounting hole and land dimensions (Viewed from switch mounting face)</th>
</tr>
</thead>
</table>

Refer to P.249 for soldering conditions.
SKTA / 2.6x1.6mm Compact Type with Projection (Surface Mount Type)

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**Dimensions**

<table>
<thead>
<tr>
<th>No.</th>
<th>Style</th>
<th>PC board mounting hole and land dimensions (Viewed from switch mounting face)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Unit:mm</td>
</tr>
</tbody>
</table>

* Assumes the switch is left alone without being operated. Under the specified conditions, dust and water ingress with a significant impact on the switch's on-off function is prevented. IP67, 68 dust and water resistance is guaranteed for the switch alone and performance may not be guaranteed depending on the mounting conditions and usage.*
# TACT Switch™
## List of Varieties

<table>
<thead>
<tr>
<th>Type</th>
<th>Sharp Feeling Type</th>
<th>Surface Mount Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series</td>
<td>SKSD</td>
<td>SKRN</td>
</tr>
<tr>
<td>Photo</td>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
<tr>
<td>Features</td>
<td>Double action</td>
<td>Compact size</td>
</tr>
<tr>
<td>Water-proof</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Dust-proof</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>IP standard</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Operating direction</td>
<td>Top push</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Side push</td>
<td>—</td>
</tr>
<tr>
<td>Dimensions (mm)</td>
<td>W</td>
<td>4.1</td>
</tr>
<tr>
<td></td>
<td>D</td>
<td>3.9</td>
</tr>
<tr>
<td></td>
<td>H</td>
<td>0.6</td>
</tr>
<tr>
<td>Operation force coverage</td>
<td>Top push</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Side push</td>
<td>—</td>
</tr>
<tr>
<td>Travel (mm)</td>
<td>Top push</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>Side push</td>
<td>—</td>
</tr>
<tr>
<td>Ground terminal</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>—40℃ to +90℃</td>
<td>—30℃ to +85℃</td>
</tr>
<tr>
<td>Automotive use</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Life Cycle</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Electrical performance</td>
<td>Rating (max.) (Resistive load)</td>
<td>50mA 12V DC</td>
</tr>
<tr>
<td></td>
<td>Rating (min.) (Resistive load)</td>
<td>10μA 1V DC</td>
</tr>
<tr>
<td>Insulation resistance</td>
<td>100MO min. 100V DC 1min.</td>
<td></td>
</tr>
<tr>
<td>Voltage proof</td>
<td>100V AC 1min. 250V AC 1min. 100V AC 1min.</td>
<td></td>
</tr>
<tr>
<td>Durability</td>
<td>Vibration</td>
<td>10 to 55 to 10Hz/min. the amplitude is 1.5mm for all the frequencies, in the 3 directions of X, Y and Z for 2 hours respectively.</td>
</tr>
<tr>
<td>Lifetime</td>
<td>Shall be in accordance with individual specifications.</td>
<td></td>
</tr>
<tr>
<td>Environmental performance</td>
<td>Cold</td>
<td>~40℃ 96h</td>
</tr>
<tr>
<td></td>
<td>Dry heat</td>
<td>90℃ 96h</td>
</tr>
<tr>
<td></td>
<td>Damp heat</td>
<td>60℃, 90 to 95%RH 96h</td>
</tr>
<tr>
<td>Page</td>
<td>208</td>
<td>209</td>
</tr>
</tbody>
</table>

W: Width. The most outer dimension excluding terminal portion.  
D: Depth. The most outer dimension excluding terminal portion.  
H: Height. The minimum dimension if there are variances.

### Notes
1. The automotive operating temperature range to be individually discussed upon request.  
2. ● Indicates applicability to all products in the series, while ○ indicates applicability to some products in the series.
### Soldering Conditions

#### Condition for Reflow
Available for Surface Mount Type.

**Temperature profile**

![Temperature Profile Graph](image)

**Notes**
1. Please confirm the specifications of our product for the detailed condition.
2. Soldering conditions differ depending on reflow soldering machines.
   Prior verification of soldering condition is highly recommended.

#### Conditions for Auto-dip
Available for Snap-in Type and Radial Type.

<table>
<thead>
<tr>
<th>Items</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flux build-up</td>
<td>Mounting surface should not be exposed to flux</td>
</tr>
<tr>
<td>Preheating temperature</td>
<td>Ambient temperature of the soldered surface of PC board. 180°C max.</td>
</tr>
<tr>
<td>Preheating time</td>
<td>60s max.</td>
</tr>
<tr>
<td>Soldering temperature</td>
<td>260°C max.</td>
</tr>
<tr>
<td>Duration of immersion</td>
<td>5s max.</td>
</tr>
<tr>
<td>Number of soldering</td>
<td>2times max.</td>
</tr>
</tbody>
</table>

**SKHH Series**

<table>
<thead>
<tr>
<th>Items</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flux build-up</td>
<td>Mounting surface should not be exposed to flux</td>
</tr>
<tr>
<td>Preheating temperature</td>
<td>Ambient temperature of the soldered surface of PC board. 110°C max.</td>
</tr>
<tr>
<td>Preheating time</td>
<td>60s max.</td>
</tr>
<tr>
<td>Soldering temperature</td>
<td>260°C max.</td>
</tr>
<tr>
<td>Duration of immersion</td>
<td>5s max.</td>
</tr>
<tr>
<td>Number of soldering</td>
<td>2times max.</td>
</tr>
</tbody>
</table>

**SKHL Top Push Type, SKQJ Series**

<table>
<thead>
<tr>
<th>Items</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flux build-up</td>
<td>Mounting surface should not be exposed to flux</td>
</tr>
<tr>
<td>Preheating temperature</td>
<td>Ambient temperature of the soldered surface of PC board. 100°C max.</td>
</tr>
<tr>
<td>Preheating time</td>
<td>45s max.</td>
</tr>
<tr>
<td>Soldering temperature</td>
<td>255°C max.</td>
</tr>
<tr>
<td>Duration of immersion</td>
<td>5s max.</td>
</tr>
<tr>
<td>Number of soldering</td>
<td>2times max.</td>
</tr>
</tbody>
</table>

**SKTD, SKTG, SKQJ Series**

<table>
<thead>
<tr>
<th>Items</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soldering temperature</td>
<td>360°C max.</td>
</tr>
<tr>
<td>Duration of soldering</td>
<td>3s max.</td>
</tr>
<tr>
<td>Capacity of soldering iron</td>
<td>60W max.</td>
</tr>
</tbody>
</table>

**Manual Soldering**

<table>
<thead>
<tr>
<th>Items</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soldering temperature</td>
<td>350°C max.</td>
</tr>
<tr>
<td>Duration of soldering</td>
<td>3s max.</td>
</tr>
<tr>
<td>Capacity of soldering iron</td>
<td>60W max.</td>
</tr>
</tbody>
</table>

**SKHH, SKHW Series**

<table>
<thead>
<tr>
<th>Items</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soldering temperature</td>
<td>360°C max.</td>
</tr>
<tr>
<td>Duration of soldering</td>
<td>3s max.</td>
</tr>
<tr>
<td>Capacity of soldering iron</td>
<td>60W max.</td>
</tr>
</tbody>
</table>

**Notes**
1. Prevent flux penetration from the top side of the TACT Switch™.
2. Switch terminals and a PC board should not be coated with flux prior to soldering.
3. The second soldering should be done after the switch is stable with normal temperature.
4. Use the flux with a specific gravity of min 0.81.
   (EC-19S-8 by TAMURA CORPORATION, or equivalents.)