Specifications are subject to change without notice.

## 7916 SMD 6 mm Square Key Switch

### Electrical Characteristics
- **Contact Rating**
  - Maximum: 20 mA 15 VDC
  - Minimum: 10 µA 2 VDC
- **Contact Resistance**: 100 milliohms max.
- **Insulation Resistance**: 50 megohms min. (DC100V)
- **Dielectric Strength**: 250 VAC
- **Contact Bounce**: 3 ms max. (on), 10 ms max. (off)

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

### Mechanical Characteristics
- **Push Stroke**: 0.25 mm ±0.1
- **Actuation Force**: 160 ±50 gf
- **Operating Life**: 100,000 Actuations

### How to Order
- **Model**: 7916 X - 1 - 000 E
- **Terminal**: [Diagram]
- **Switch Type**: 1 = Std. (N.O.)
- **Option**: Embossed Tape Designator
- **E = 370 mm Reel (Standard)**
- **7916X-1 = 2000 pcs./Reel**

### Dimensions

<table>
<thead>
<tr>
<th>Feature</th>
<th>mm</th>
<th>(Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tolerances</td>
<td>±0.2</td>
<td>EXCEPT WHERE NOTED.</td>
</tr>
</tbody>
</table>

### Features
- Single pole/single throw
- Compatible with surface mount reflow processes
- Tape and reel packaged
- 1 mm profile height available
- Low level signal switch

### Applications
- Electronic toys
- Personal alerts
- Remote locks
- Panel meters

### Reflow Soldering Profile

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>Time (Seconds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>240</td>
<td>180</td>
</tr>
<tr>
<td>225</td>
<td>160</td>
</tr>
<tr>
<td>210</td>
<td>140</td>
</tr>
<tr>
<td>195</td>
<td>120</td>
</tr>
<tr>
<td>180</td>
<td>100</td>
</tr>
</tbody>
</table>

Mets EIA specification 481.

**REV. 10/02**

Specifications are subject to change without notice.