Features
- 10 position selector switch
- Miniature industrial switch
- Vertical adjust
- Rugged surface mount design
- Break-before make timing

Applications
- Test equipment
- Instrumentation
- Computer hardware

Electrical Characteristics
- Contact Rating
  - Maximum Current: 100 mA max.
  - Maximum Voltage: 16 V
- Contact Resistance: 100 milliohms max.
- Insulation Resistance: 100 megohms
- Dielectric Strength: 250 volts

General Characteristics
- Operating Temperature Range: -55 °C to +125 °C
- Storage Temperature Range: -55 °C to +125 °C
- Seal Test: 85 °C Fluorinert®

Mechanical Characteristics
- Switch Type: SP9T
- Adjustment Detent Torque: 0.2-1.0 N-cm

Environmental Characteristics
- Shock: 100 G
- Vibration: 0.1 ms. max. discontinuity
- Thermal Shock (5 cycles): -55 °C to +125 °C
- Actuation Life: 1,000 steps
- Maximum Soldering Heat: 245 °C, 5 seconds

Standard Packaging
- Tube: 50 pcs./tube
- Tape & Reel: 250 pcs./reel

How to Order
- Model
- Terminal
- Switch Type
  - 1 = SP9T
- Number of Positions
  - 010 = 10 Positions
  - "0" Position is Off; Common
- Embossed Tape Option (Styles J, G only)

Product Dimensions

Specifications are subject to change without notice.
7643 SMD 7 mm Square Sealed Selector Switch

Packaging Specifications

(J Style)

- Tape: 180.0 ± 5 DIA. (7.087 ± .197)
- 13.0 ± .508 DIA.
- 1.75 ± .10 (0.069 ± .004)
- 16.00 ± .30 (0.630 ± .012)
- Reel: 3.60 ± .10 (0.141 ± .004)
- 1.50 ± .010 (0.059 ± .004)
- 4.00 ± .10 (0.157 ± .004)
- 2.00 ± .05 (0.079 ± .002)

(G Style)

- Tape: 180.0 ± 5 DIA. (7.087 ± .197)
- 13.0 ± .508 DIA.
- 1.75 ± .10 (0.069 ± .004)
- 16.00 ± .30 (0.630 ± .012)
- Reel: 3.60 ± .10 (0.141 ± .004)
- 1.50 ± .010 (0.059 ± .004)
- 4.00 ± .10 (0.157 ± .004)
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(J Style)

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- 4.00 ± .10 (0.157 ± .004)
- 2.00 ± .05 (0.079 ± .002)

Meet EIA specification 481.

Reflow Soldering Profile

<table>
<thead>
<tr>
<th>Temperature (°C)</th>
<th>Time (Seconds)</th>
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<tbody>
<tr>
<td>25</td>
<td>0</td>
</tr>
<tr>
<td>75</td>
<td>20</td>
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<td>60</td>
</tr>
<tr>
<td>275</td>
<td>80</td>
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<tr>
<td>30</td>
<td>120</td>
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<td>35</td>
<td>140</td>
</tr>
<tr>
<td>40</td>
<td>160</td>
</tr>
<tr>
<td>45</td>
<td>180</td>
</tr>
<tr>
<td>50</td>
<td>200</td>
</tr>
</tbody>
</table>

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