**Features**

- Compatible with most surface mount soldering processes
- Compatible with popular vacuum pick-and-place equipment
- J-hook, gull-wing & pinned configurations
- Sealed for board washing
- Rated to IP 67 standard
- Meets EIA/EIAJ/IPC/VRCI SMD standard outline dimensions
- Top or side actuated
- RoHS compliant*
- For switch applications/processing guidelines, [click here](#)

### 7914 4 mm SMD & Through-hole Sealed Key Switch

#### Electrical Characteristics

**Contact Rating**
- Maximum Current .......... 100 mA max.
- Maximum Voltage ............. 16 V
- Dielectric Strength .............. 250 VAC

**General Characteristics**
- Switch Type .................. Normally open
- Operating Temperature .............. -55 °C to +125 °C
- Storage Temperature .............. -65 °C to +125 °C
- Seal Test .................. 85 °C Fluorinert†
- Vibration .................. 20 G
- Shock .................. 100 G

**Mechanical Characteristics**
- Actuator Force .................. 300 ± 100 g
- Pushover Strength (S Style) .................. 0.9 kilograms minimum
- Cycle life, loaded .................. 100,000 actuations
- Contact resistance .............. 100 milliohms max.

**Physical Characteristics**
- Cover Material .............. Stainless steel
- Base Material .............. Thermoplastic, UL94V-0
- Terminal Material .............. Copper alloy gold plated
- Dome Material .............. Stainless steel silver plated
- Actuator Material .............. High temperature silicon rubber
- Marking .................. Manufacturer's code and date code
- Packaging Options
  - J & G .................. 500 pcs./reel (MSL-1); 50 pcs./tube
  - S .................. 200 pcs./reel (MSL-1); 50 pcs./tube
  - H .................. 100 pcs./reel (MSL-1); 50 pcs./tube

**How to Order**

**Model**

7914 J - 1 - 000 E

**Terminal**
- J = J-Hook
- H = Through-hole
- G = Gull Wing
- S = Right Angle

**Switch Type**
- 1 = N.O. Au Contacts

**Product Code for Button Height**
- "L" (For All Styles) from Top of Lid
  - 090 = 1.65 mm (Flush)
  - 024 = 0.08 mm (Flush)
  - 032 = 0.89 mm
  - 050 = 2.67 mm (available in tube pack only for J, G & H Styles, tape & reel only for S Style)

**Packaging Code (MSL-1)**
- Blank = Tube (for J, G & H Styles)
- E = Plastic Embossed Tape & Reel (for J, G & S Styles)

Note: S Style is only available in tape and reel.

†Fluorinert® is a registered trademark of 3M Co.
Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.
Packaging Specifications

7914J

7914G

7914S

Dimensions (mm)

500 pcs./reel

7914J/G

500 pcs./reel

7914H

200 pcs./reel

Specifications

Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.

Reflow Soldering Profile