



THE DATASHEET OF 7914S-1-000E



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
Contact Resistance 100 milliohms max.
Insulation Resistance .. 100 megohms min.
Dielectric Strength 250 VAC

General Characteristics

Switch Type Normally open
Operating Temperature Range -55 °C to +125 °C
Storage Temperature Range -55 °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 500,000 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)
H 50 pcs./tube

How to Order

7914 J - 1 - 000 E

Model _____
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
000 = 1.65 mm
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) - 50 pcs.
E = Plastic Embossed Tape & Reel (for J & G Styles - 500 pcs.)
(for S Style - 200 pcs.)

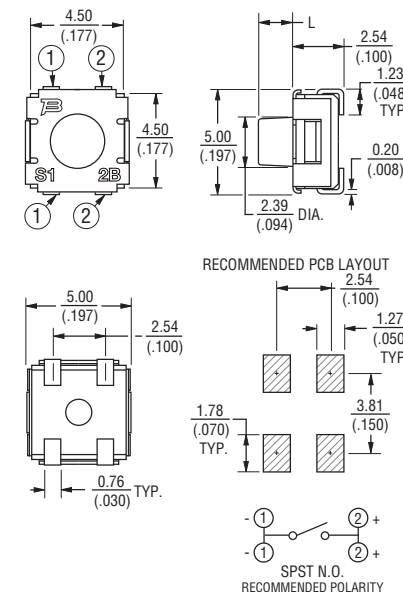
Note: S Style is only available in tape and reel.



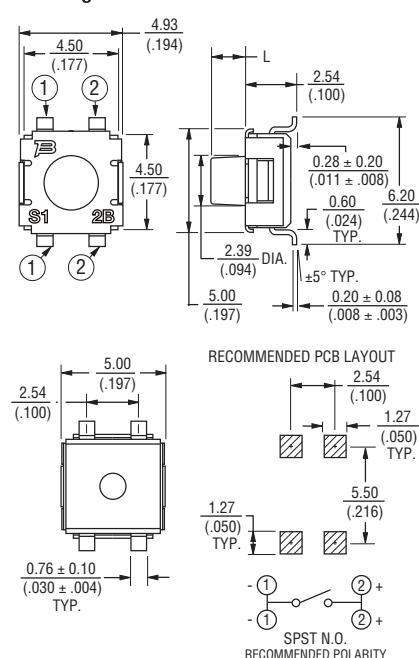
WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

Product Dimensions

**7914J
J-Hook**

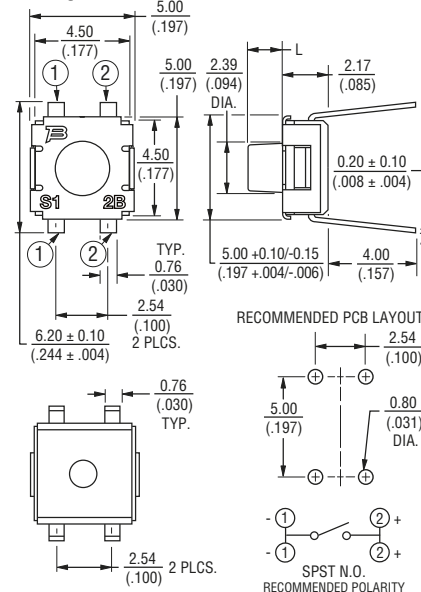


**7914G
Gull Wing**

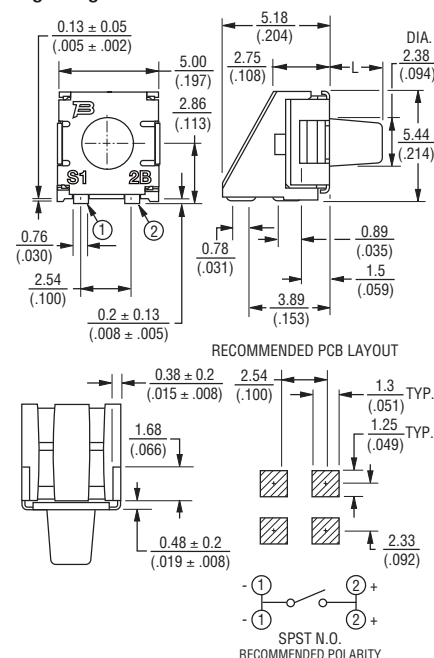


DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$ TOLERANCES: $\frac{\pm 0.3}{(.012)}$
EXCEPT WHERE NOTED.

**7914H
Through-hole**



**7914S
Right Angle**



*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

†"Fluorinert" is a registered trademark of 3M Co.

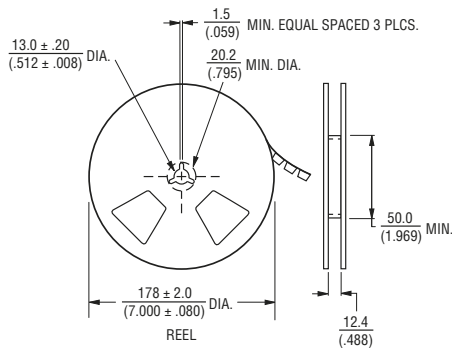
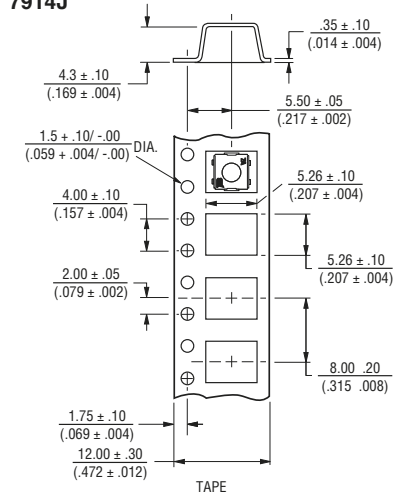
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7914 4 mm SMD & Through-hole Sealed Key Switch

BOURNS®

Packaging Specifications

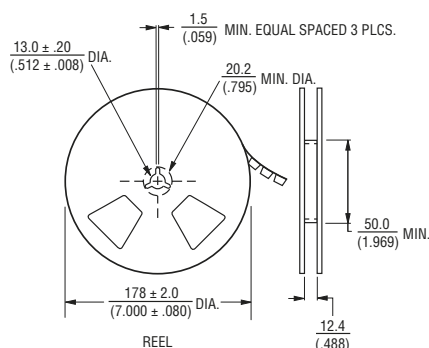
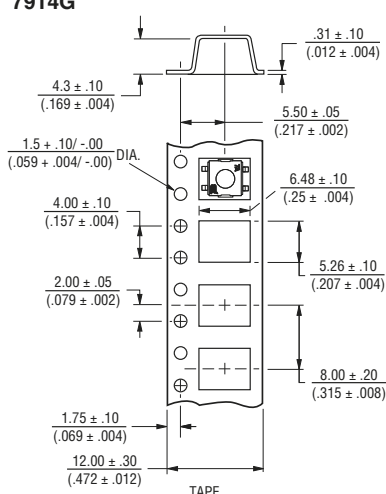
7914J



Meets EIA specification 481.

500 pcs./reel

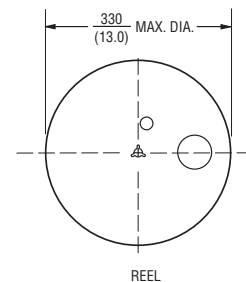
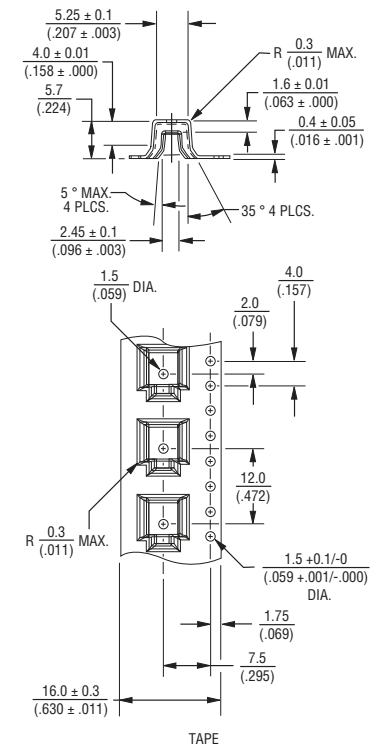
7914G



Meets EIA specification 481.

500 pcs./reel

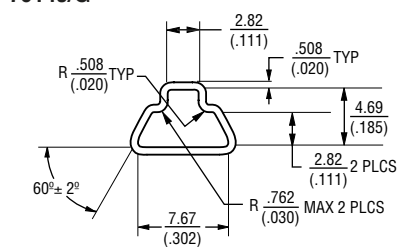
7914S



Meets EIA specification 481.

200 pcs./reel

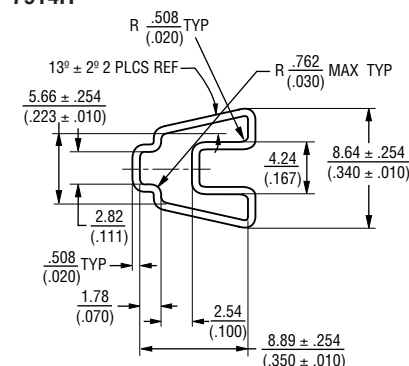
7914J/G



50 pcs./tube

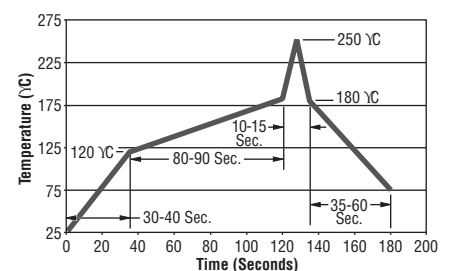
DIMENSIONS: MM
(INCHES)

7914H



50 pcs./tube

Reflow Soldering Profile



REV. 10/17

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