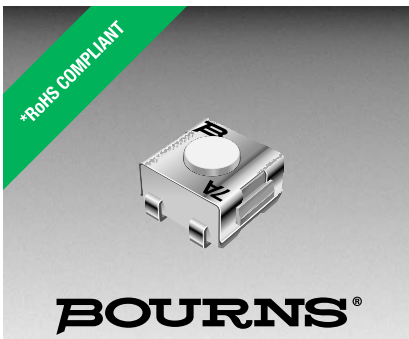




THE DATASHEET OF 7914S-1-024E



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

Additional Information

Click these links for more information:



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 min.
 Cycle life, loaded 500,000 actuations
 Contact resistance 100 milliohms max.

Physical Characteristics

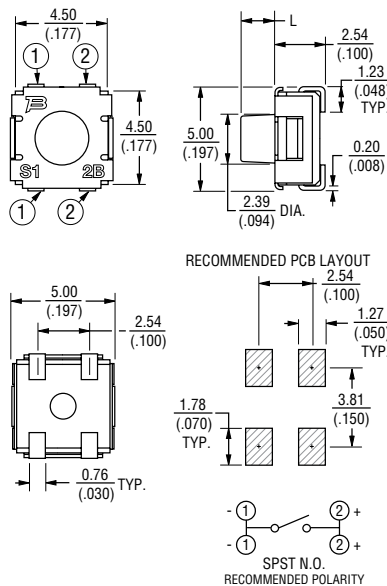
Cover Material Stainless steel
 Base Material Thermoplastic, UL94V-0
 Terminal Material Copper alloy gold plated
 Dome Material ... Stainless steel silver plated
 Actuator Material High temperature silicon rubber
 Marking Manufacturer's code and date code

Packaging Options

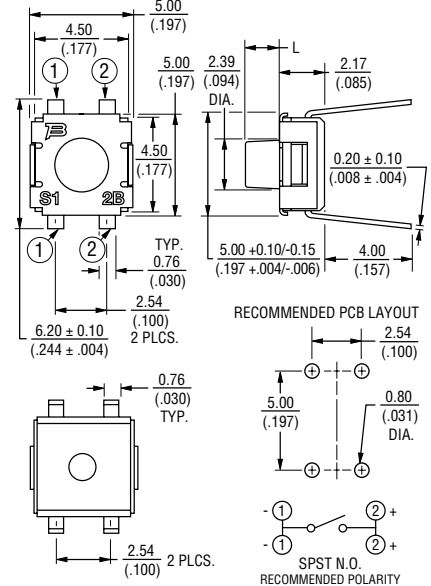
J & G 500 pcs./reel (MSL-1); 50 pcs./tube
 S 200 pcs./reel (MSL-1)
 H 50 pcs./tube
 Storage Condition 40 °C max. / 70 % R.H. max.

Product Dimensions

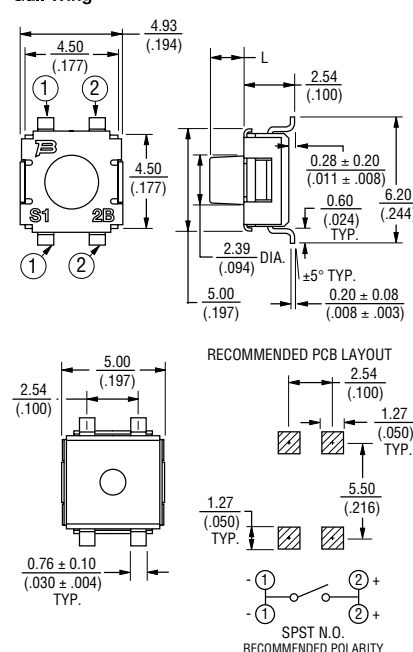
7914J
J-Hook



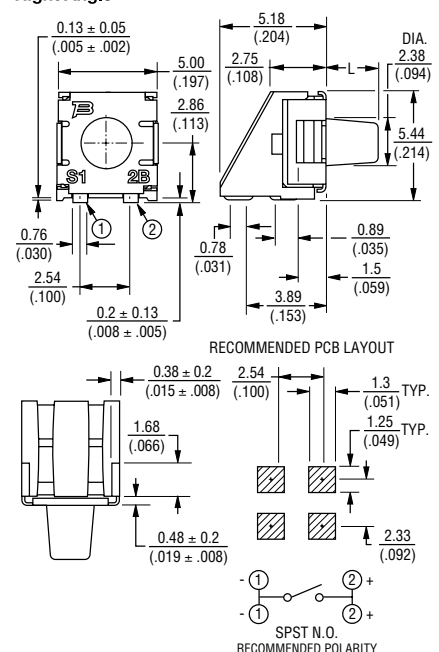
7914H
Through-hole



7914G
Gull Wing



7914S
Right Angle



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

TOLERANCES: ± $\frac{0.3}{(.012)}$ EXCEPT WHERE NOTED



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

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex

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

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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7914 4 mm SMD & Through-Hole Sealed Key Switch

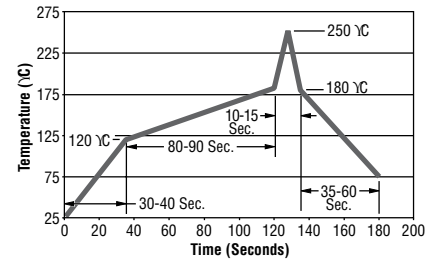
BOURNS®

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.

Reflow Soldering Profile

**BOURNS®****Asia-Pacific:** Tel: +886-2 2562-4117 • Email: asiacus@bourns.com**EMEA:** Tel: +36 88 885 877 • Email: eurocus@bourns.com**The Americas:** Tel: +1-951 781-5500 • Email: americus@bourns.comwww.bourns.com

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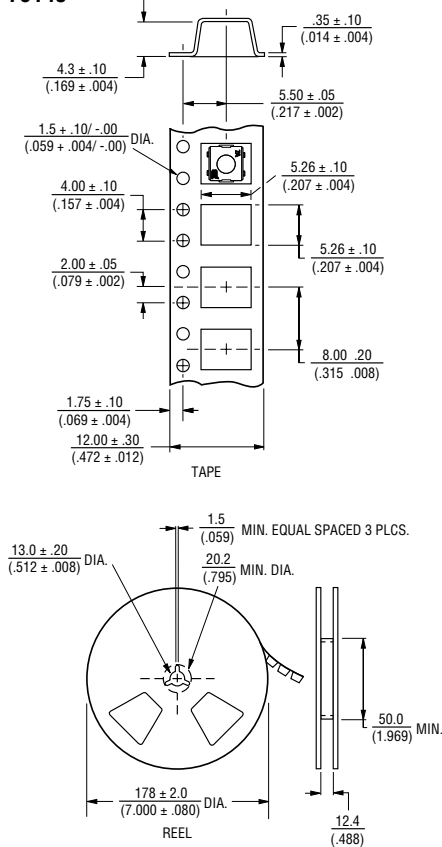
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7914 4 mm SMD & Through-Hole Sealed Key Switch

BOURNS®

Packaging Specifications

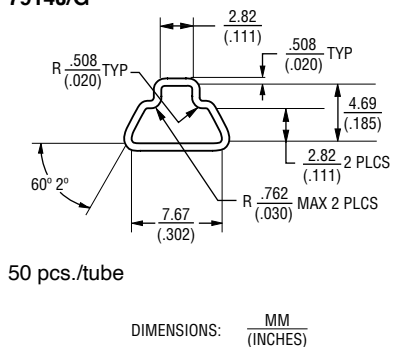
7914J



Meets EIA specification 481.

500 pcs./reel

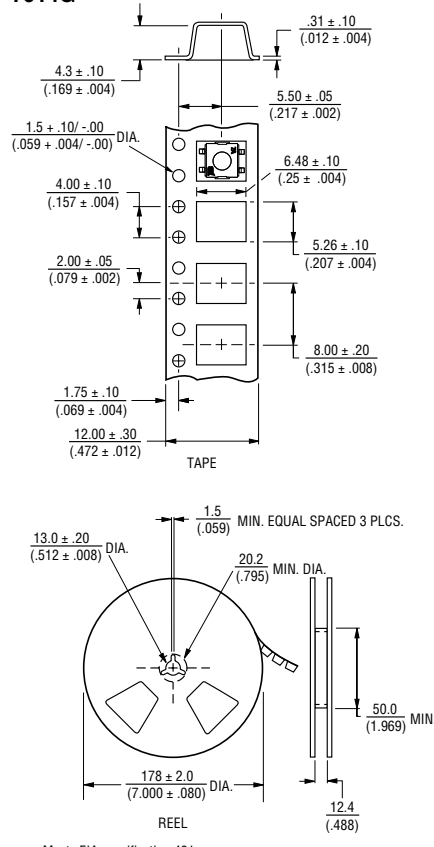
7914J/G



50 pcs./tube

DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

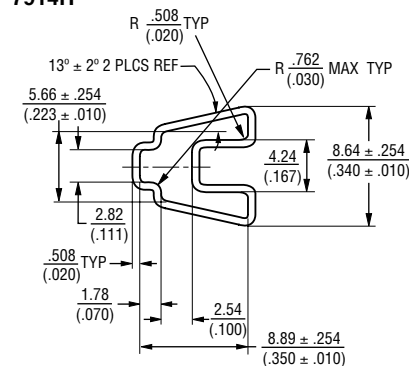
7914G



Meets EIA specification 481.

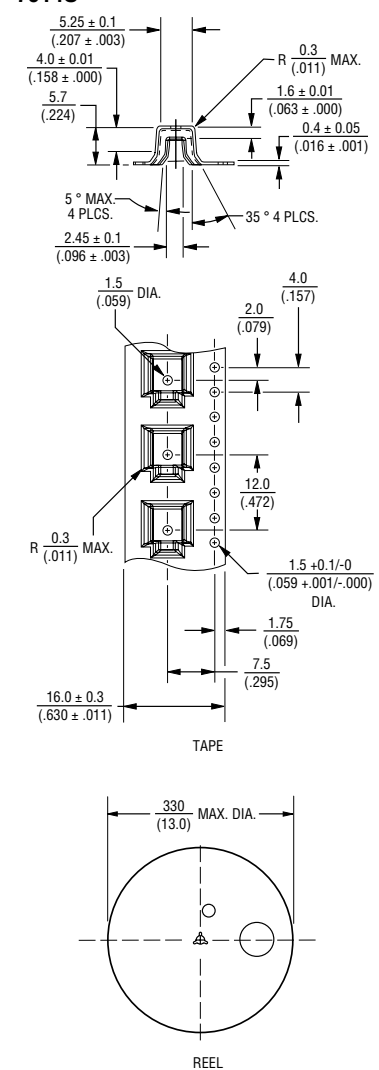
500 pcs./reel

7914H



50 pcs./tube

7914S



Meets EIA specification 481.

200 pcs./reel

REV. 02/24

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Users should verify actual device performance in their specific applications.

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-  Shortage Management
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