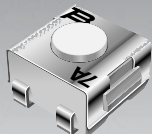


*RoHS COMPLIANT



BOURNS®

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
- Meets EIA/EIAJ/IPC/VRCI SMD standard outline dimensions
- Top or side actuated
- RoHS compliant*

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) 2 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 Phosphor bronze
Dome Material Stainless steel
Actuator Material High temperature silicon rubber
Marking Manufacturer's code and date code

Packaging Options

J & G 500 pcs./reel; 50 pcs./tube
S 200 pcs./reel
H 50 pcs./tube

How to Order

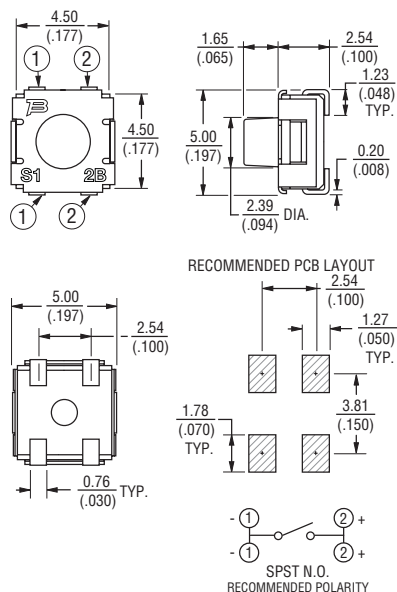
7914 J - 1 - 000 E

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
(For Styles J, G and H)
000 = 4.0 mm FMS
024 = 2.4 mm FMS (Flush Actuator)
032 = 3.2 mm FMS
050 = 5.0 mm FMS (Tube packaging only)
(For Style S)
000 = 1.68 mm FTS
032 = 0.91 mm FTS
024 = Flush Actuator
050 = 2.7 mm FTS (Tape & Reel packaging only)
Embossed Tape _____
(Option applicable to Styles J, G and S only -
Consult factory. Omit for Style J & G tube
packaging.)
G, J = 500 pcs./reel S = 200 pcs./reel

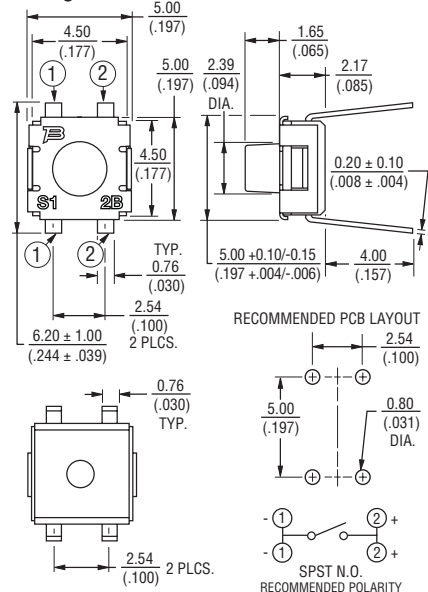
FMS = From Mounting Surface
FTS = From Top Surface

Product Dimensions

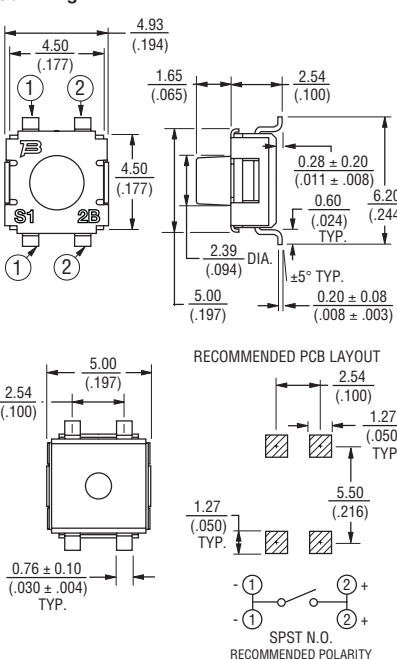
**7914J
J-Hook**



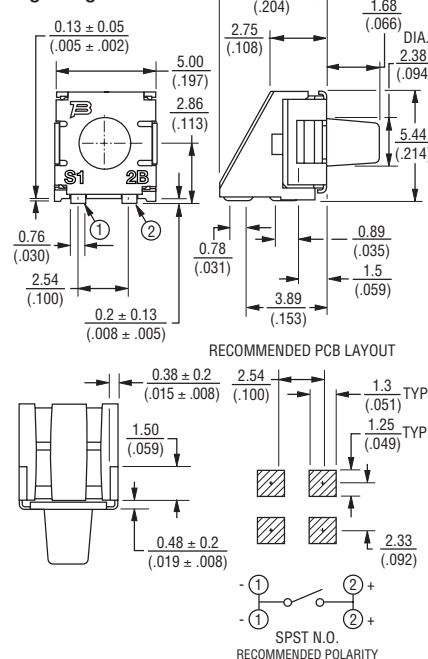
**7914H
Through-hole**



**7914G
Gull Wing**



**7914S
Right Angle**



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$ TOLERANCES: ± 0.2 (.008)
EXCEPT WHERE NOTED.

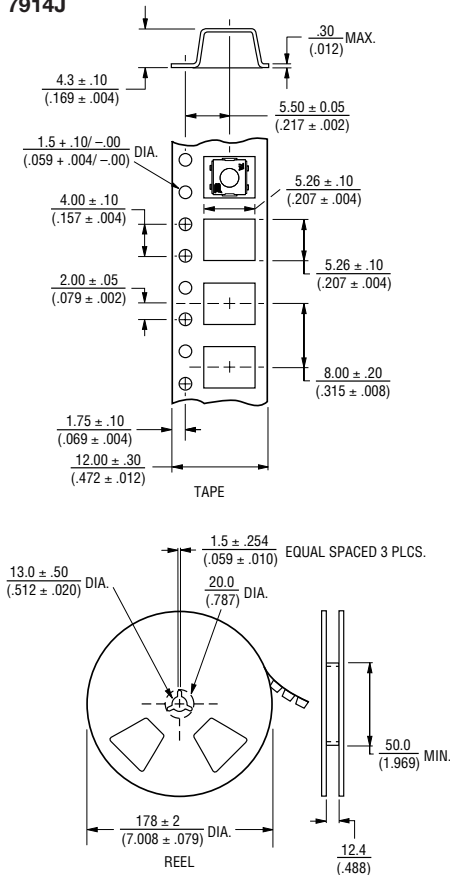
*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
†"Fluorinert" is a registered trademark of 3M Co.
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications

7914 4 mm SMD & Through-hole Sealed Key Switch

BOURNS®

Packaging Specifications

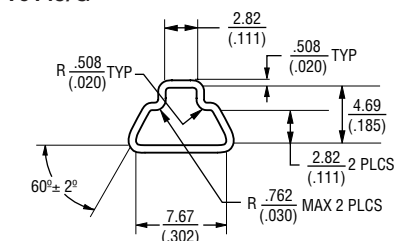
7914J



Meets EIA specification 481.

500 pcs./reel

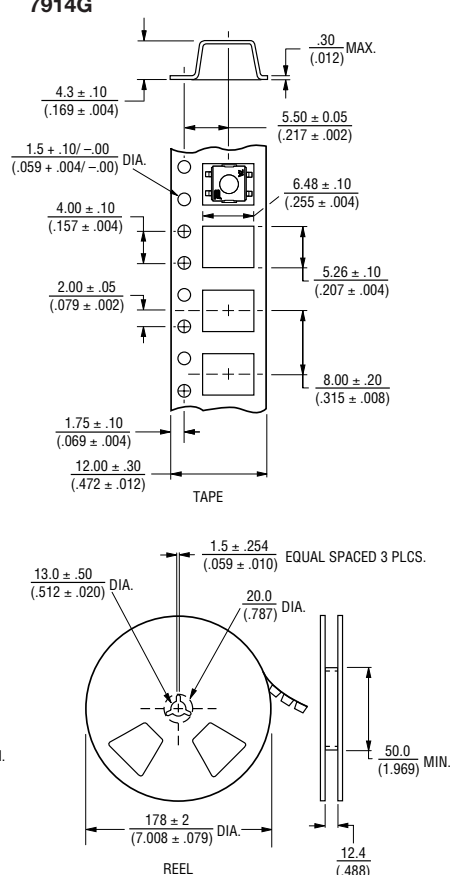
7914J/G



50 pcs./tube

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

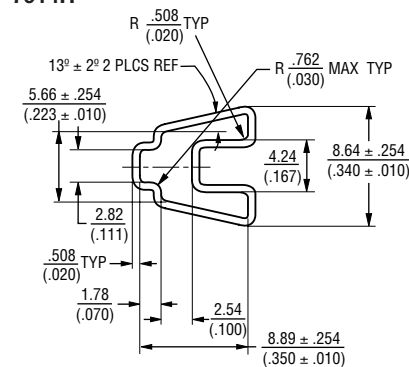
7914G



Meets EIA specification 481.

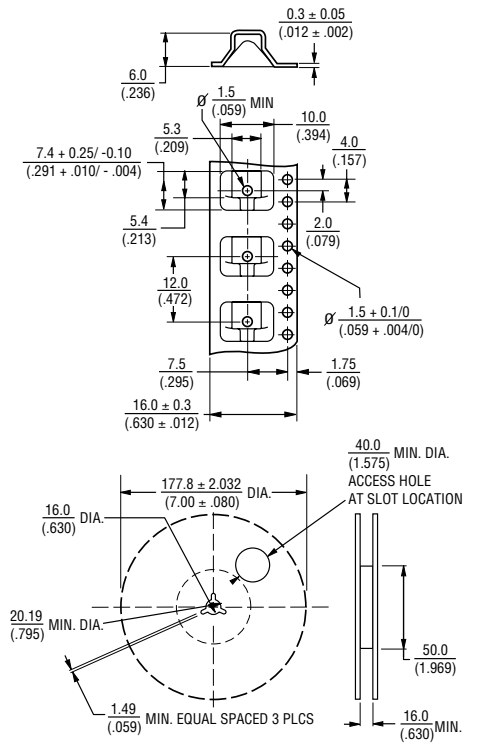
500 pcs./reel

7914H



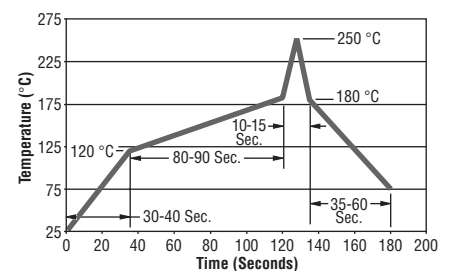
50 pcs./tube

7914S



200 pcs./reel

Reflow Soldering Profile



REV. 09/09

Specifications are subject to change without notice.
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