

Features

- Compatible with most surface mount soldering processes
- Compatible with popular vacuum pickand-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 Ra	ange
	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 Sta	ainless steel silver plated
Actuator Material	High temperature
	silicon rubber
Marking	Manufacturer's code
	and date code
Packaging Ontions	

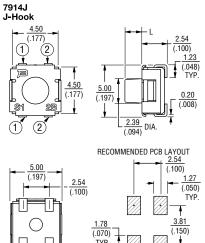
Packaging Options	
J & G 500 pcs./reel (MSL-1	l);
50 pcs./tub	рe
S 200 pcs./reel (MSL-	1)
H 50 pcs./tub	ре
Storage Condition	

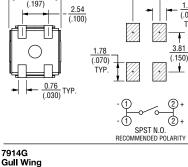
......40 °C max. / 70 % R.H. max.

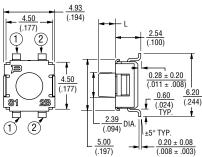
WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

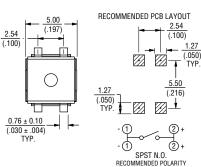
*RoHS Directive 2015/863, Mar. 31, 2015 and Annex †"Fluorinert" is a registered trademark of 3M Co. Specifications are subject to change without notice.

Product Dimensions









DIMENSIONS: (INCHES)

7914H Through-hole 5.00 (.197) 2.17 (.085) 5.00 (.197) (.094)`DIA 0.20 ± 0.10 5.00 +0.10/-0.15 (1 (.197 +.004/-.006) (.030)2 54 RECOMMENDED PCB LAYOUT (.100) $\frac{6.20 \pm 0.10}{(.244 \pm .004)}$ (.100)(+) 0.80 (.030)(.031)DIA

2.54 (.100) 2 PLCS

(.197) 2.86

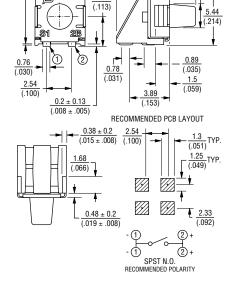
SPST N O

(.094)

(.204)

7914S Right Angle

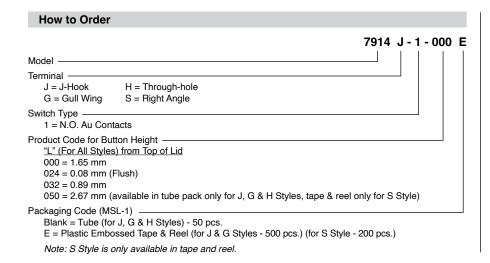
0.13 ± 0.05

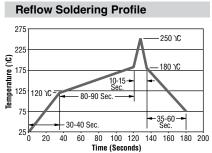


TOLERANCES: $\pm \frac{0.3}{(.012)}$ EXCEPT WHERE NOTED

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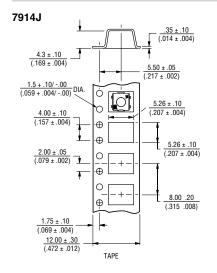
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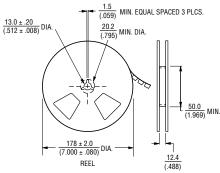
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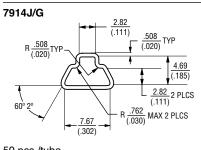
Packaging Specifications





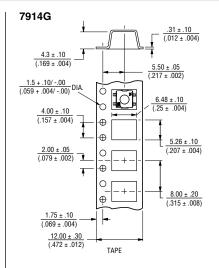
Meets EIA specification 481

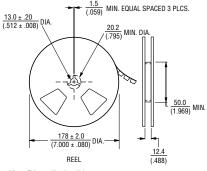
500 pcs./reel



50 pcs./tube

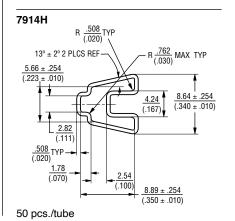
DIMENSIONS:



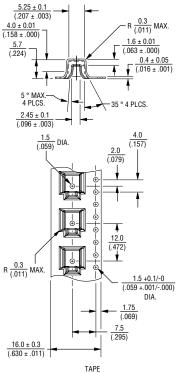


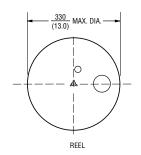
Meets EIA specification 481.

500 pcs./reel



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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