



BOURNS®

Features

- Single pole/double throw
- Compatible with most surface mount manufacturing processes
- 50 or 2000 cycle rotational life
- Compatible with popular vacuum pick-and-place equipment
- J-hook, gull-wing and through hole

Additional Information

Click these links for more information:



7814 SMD 4 mm Square Sealed Rotary Switch

Electrical Characteristics

Contact Rating
 Maximum Current..... 100 mA max.
 Maximum Voltage..... 16 V
 Contact Timing..... Non-shorting
 Contact Resistance 2 ohms max.
 Insulation Resistance
 100 megohms min.
 Dielectric Strength250 VAC

General Characteristics

Switch Type SPDT
 Operating Temp. Range
 -55 °C to +125 °C
 Storage Temp. Range... -55 °C to +125 °C
 Seal Test.....85 °C

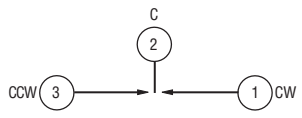
Mechanical Characteristics

Positions.....2
 Adjustment Torque..... 1.8 N-cm max.
 Stop Strength..... 2.5 N-cm min.
 Pushover Strength (Z Style)
2 kilograms minimum
 Weight Approximately 0.2 gm.
 Marking..... Manufacturer's trademark, life code and date code

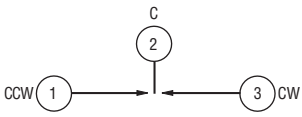
Environmental Characteristics

Vibration 20 G
 Shock..... 100 G
 Thermal Shock (5 cycles)
 -55 °C to +125 °C
 Humidity
 Insulation Resistance
 10 megohms min.
 Rotational Life
 -051 50 Cycles
 -023 2000 Cycles
 Packaging Options
 J & G 500 pcs.
 Z 200 pcs.
 H..... 100 pcs./tube

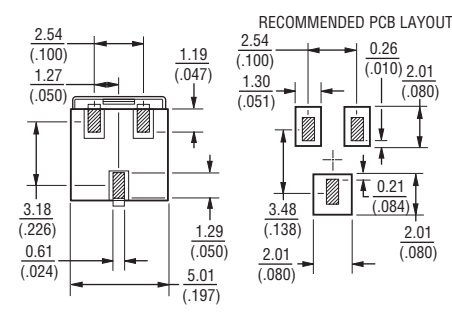
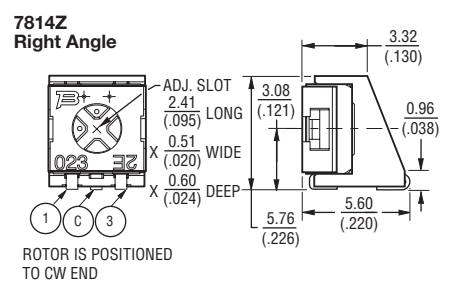
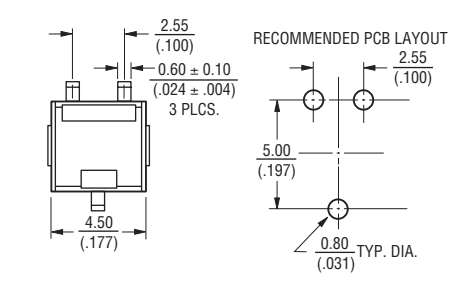
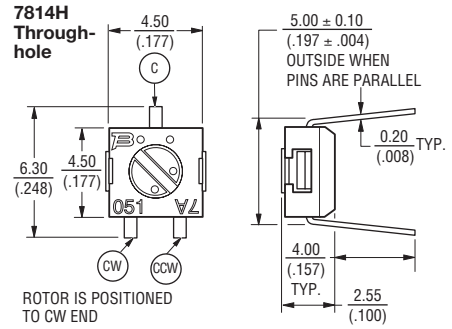
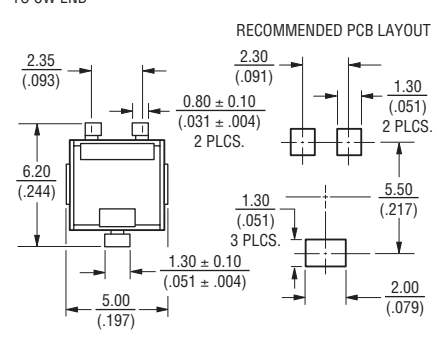
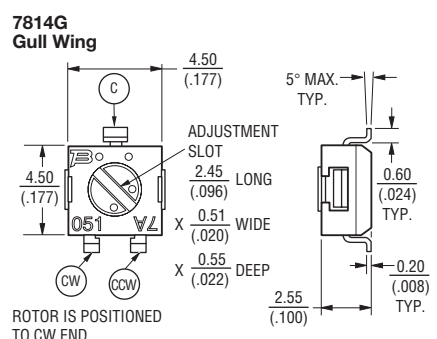
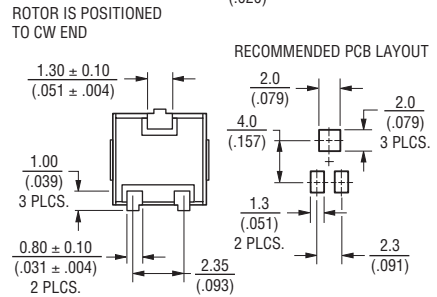
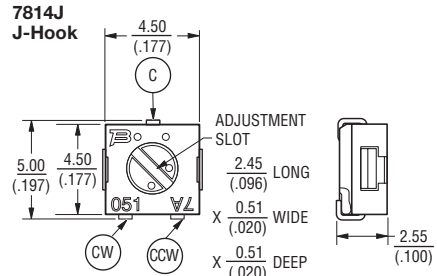
Circuit Diagram - 7814J, G ,H



Circuit Diagram - 7814Z

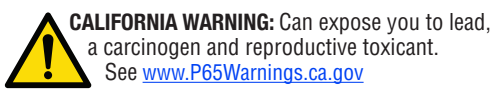


Product Dimensions



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

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.



Features (Continued)

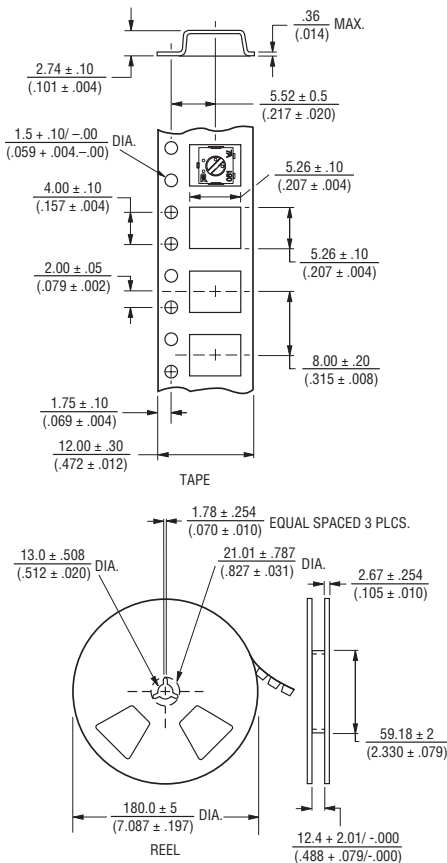
- Meets EIA/EIAJ/IPC/VRCI SMD standard outline dimensions
- RoHS compliant* - see [processing information](#) on RoHS compliant surface mount components
- For switch applications/processing guidelines, [click here](#)

7814 SMD 4 mm Square Sealed Rotary Switch

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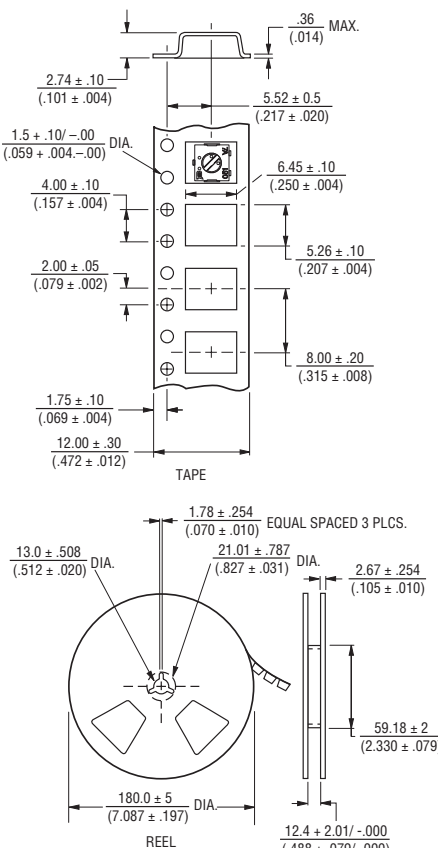
Packaging Specifications

(J Style)



Meets EIA specification 481.

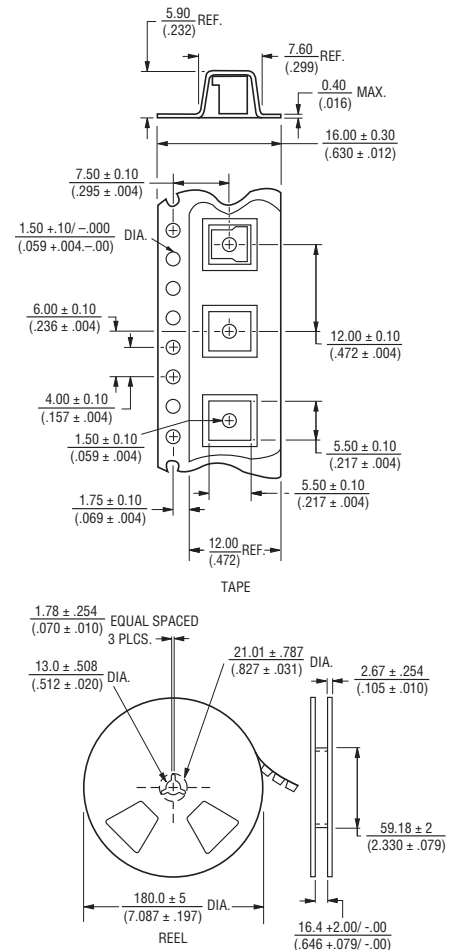
(G Style)



Meets EIA specification 481.

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

(Z Style)



Meets EIA Specification 481.

BOURNS®

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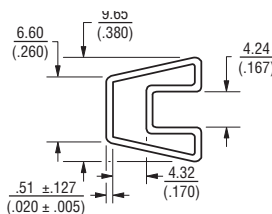
Email: asiacus@bourns.com

EMEA: Tel: +36 88 885 877

Email: eurocus@bourns.com

www.bourns.com

(H Style)



TUBE LENGTH - 525 MM.
UNITS PACKAGED 100 PIECES PER TUBE.

How to Order

7814 J - 1 - 051 E

Model _____
Terminal _____
J = J-Hook
G = Gull Wing
H = Through-hole
Z = Right Angle
Switch Type _____
1 = SPDT
Rotational Life _____
-051 = 50 Cycles
-023 = 2000 Cycles
Optional Embossed Tape Designator
(For pin styles J, G, Z only - omit for tube packaging)

REV. 03/26

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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