



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

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[INVENTORY](#)



[SAMPLES](#)



[CONTACT](#)

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 Strength 250 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

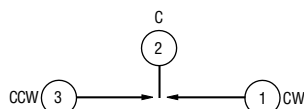
Mechanical Characteristics

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

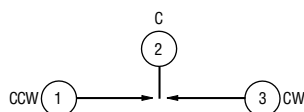
Environmental Characteristics

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

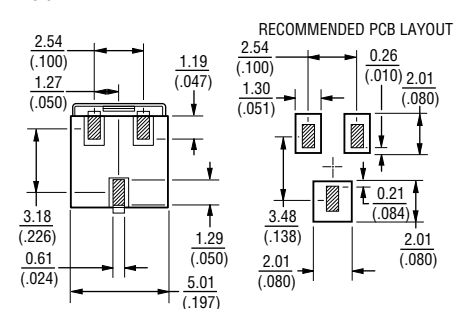
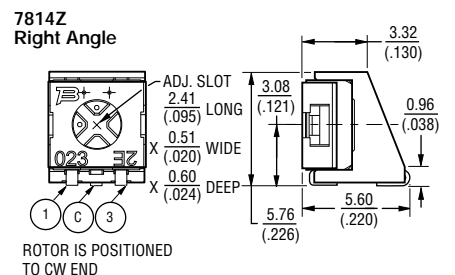
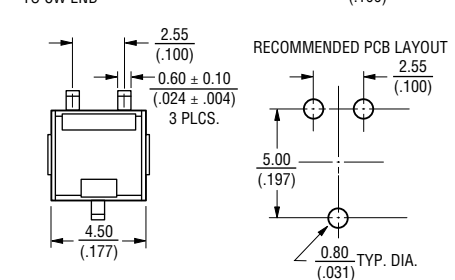
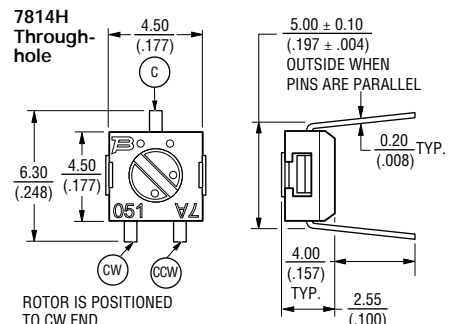
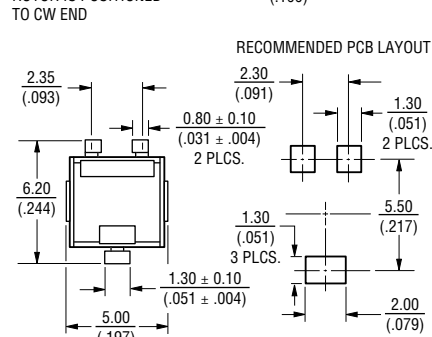
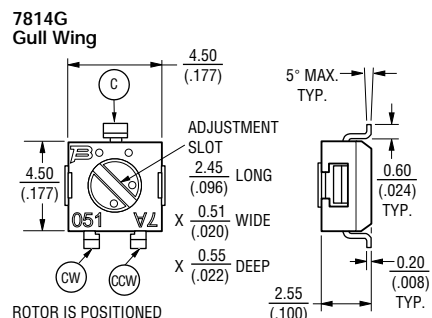
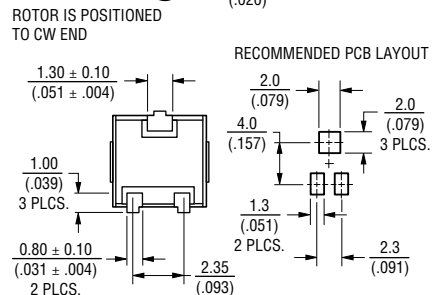
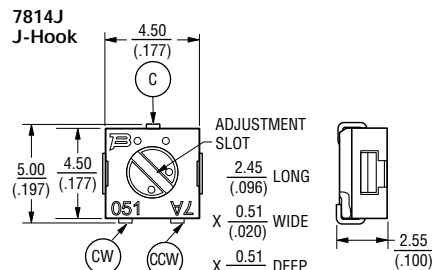
Circuit Diagram - 7814J, G, H



Circuit Diagram - 7814Z



Product Dimensions



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

TOLERANCES: $\pm \frac{2}{(.079)}$ EXCEPT WHERE NOTED



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

*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.

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Features (Continued)

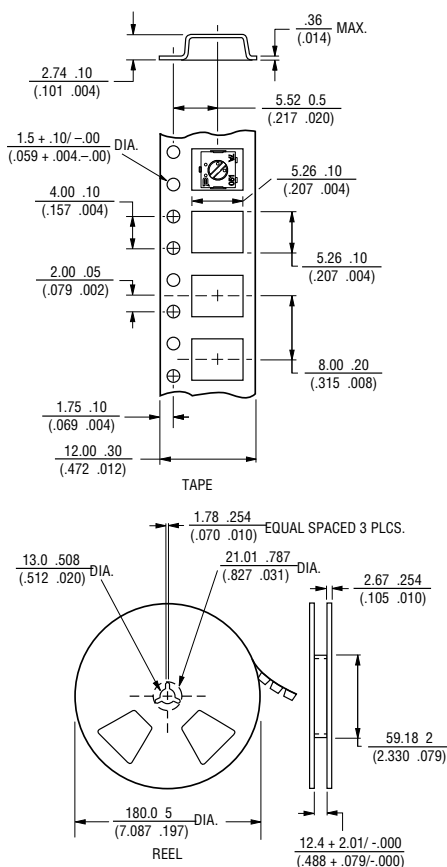
- Meets EIA/EIAJ/IPC/VRCI SMD standard outline dimensions
- RoHS compliant* - see [processing information](#) on RoHS compliant surface mount components
- For switch applications/processing guidelines, [click here](#)

7814 SMD 4 mm Square Sealed Rotary Switch

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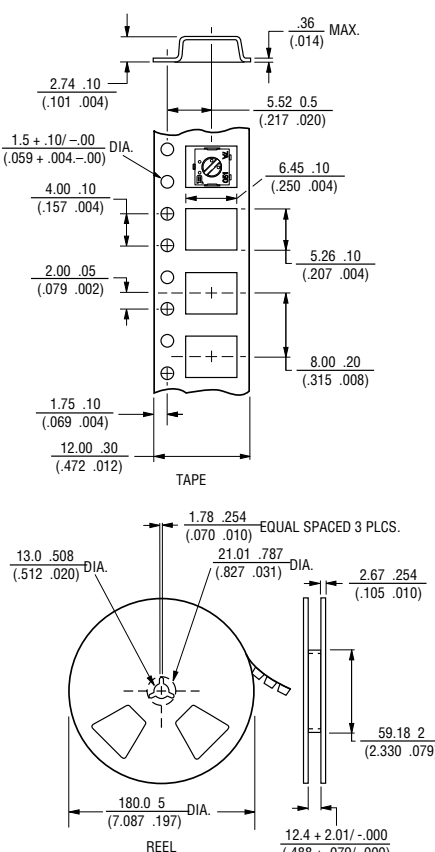
Packaging Specifications

(J Style)



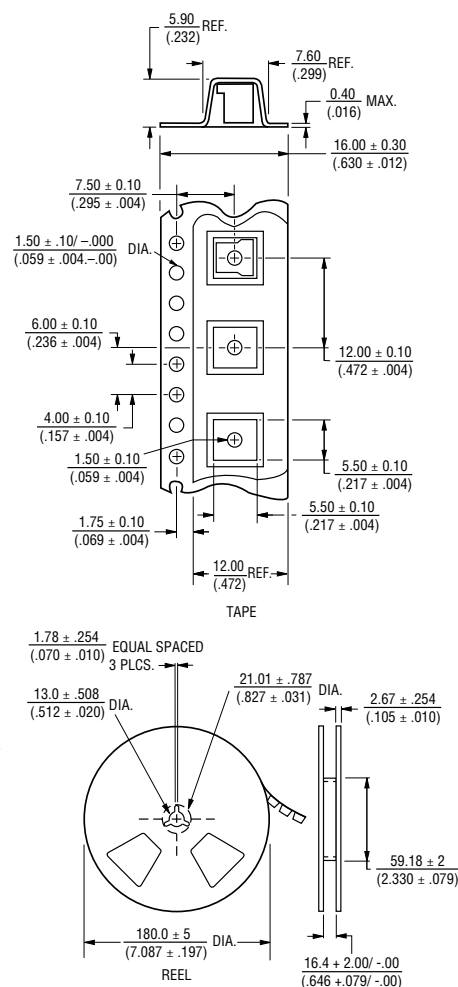
Meets EIA specification 481.

(G Style)



Meets EIA specification 481.

(Z Style)



Meets EIA Specification 481.

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

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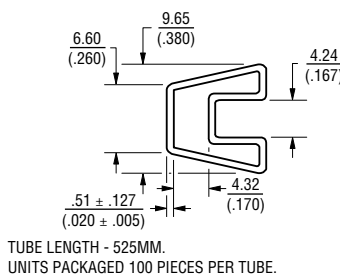
Email: asiacus@bourns.com

EMEA: Tel: +36 88 885 877

Email: eurocus@bourns.com

www.bourns.com

(H Style)



TUBE LENGTH - 525MM.
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. 08/24

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