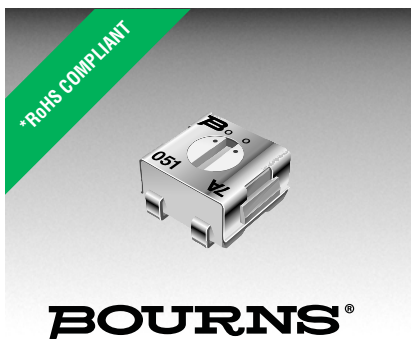




Features

- 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
- 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

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 Fluorinert†

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

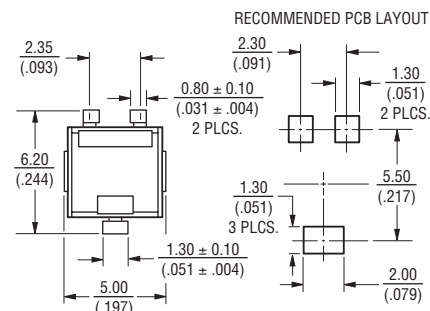
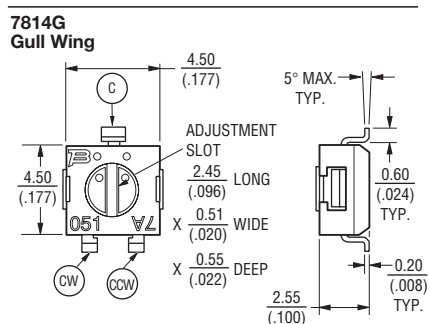
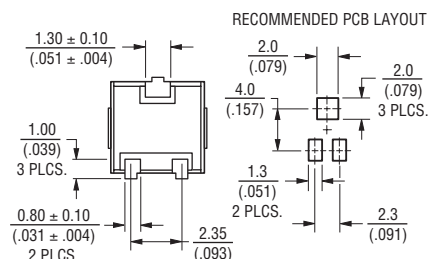
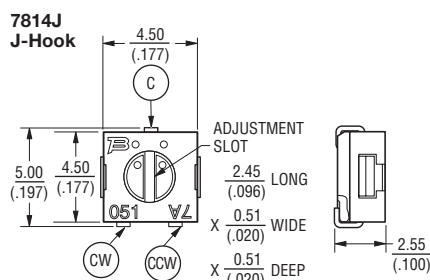
Packaging Options
J & G 500 pcs.
Z 200 pcs.
H 100 pcs./tube

How to Order

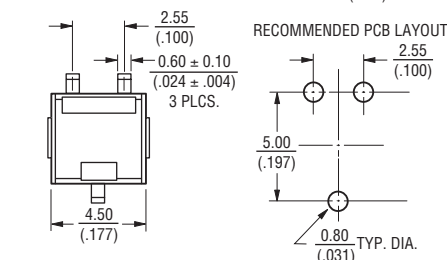
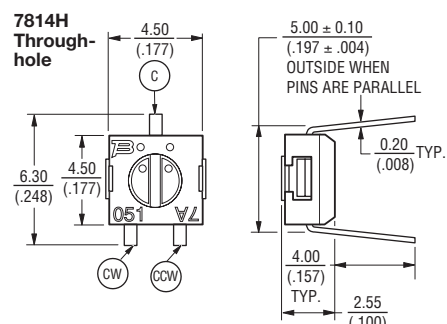
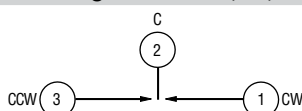
7814 J - 1 - 051 E

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)

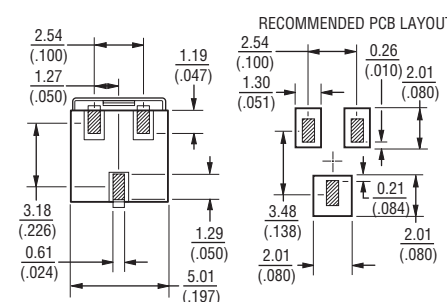
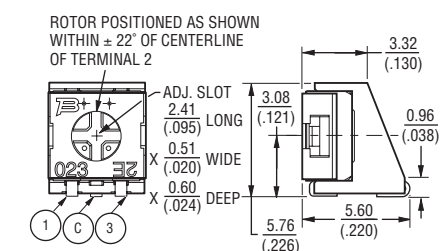
Product Dimensions



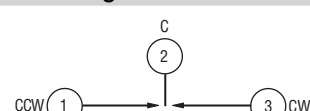
Circuit Diagram - 7814J, G, H



7814Z Right Angle



Circuit Diagram - 7814Z



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$
TOLERANCES: ± 2 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.