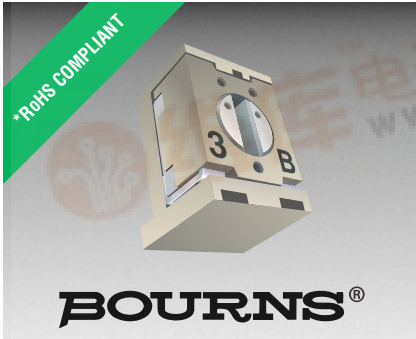




U.S. Patent No. 5043695

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 Temperature Range
..... -55 °C to +125 °C
Storage Temperature Range
..... -55 °C to +125 °C
Seal Test 85 °C Fluorinert[†]

Mechanical Characteristics

Positions 2
Adjustment Torque5 N-cm max.
Stop Strength 1.8 N-cm min.

Environmental Characteristics

Shock 20 G
..... 0.1 ms max. discontinuity
Vibration 100 G
..... 0.1 ms max. discontinuity
Thermal Shock (5 cycles)
..... -55 °C to +125 °C
Humidity
Insulation Resistance
..... 10 megohms min.
Rotational Life
-051 50 Cycles
-023 2000 Cycles
Max. Soldering Heat 245 °C,
..... 5 seconds
Standard Packaging
J 1,000 pcs./reel
S 200 pcs./reel

How to Order

7813 J - 1 - 051 E

Model _____
Terminal _____
Switch Type _____
1 = SPDT
Rotational Life _____
-051 = 50 Cycles
-023 = 2000 Cycles
Embossed Tape _____
E = 1000 Pcs./180 mm Reel (J Style)
200 Pcs./180 mm Reel (S Style)

Features

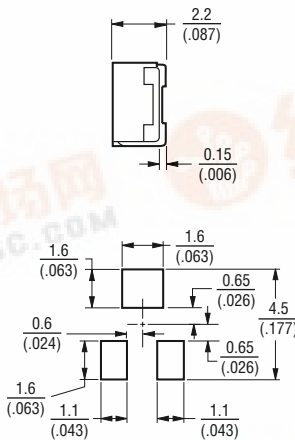
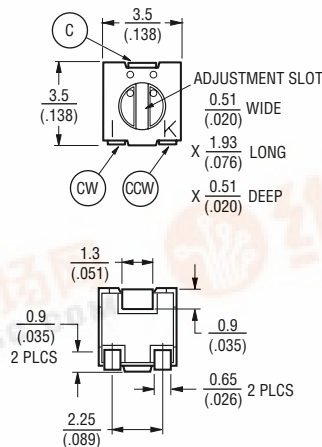
- Single pole/double throw
- Compatible with most surface mount manufacturing processes
- 50 or 2000 cycle rotational life
- Tape and reel packaged
- Withstands 245 ° soldering heat

■ RoHS compliant*

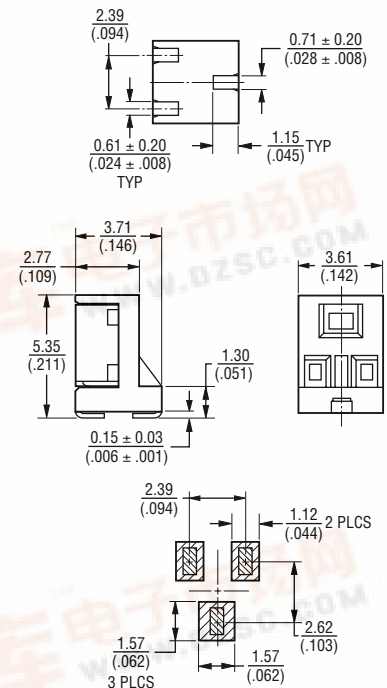
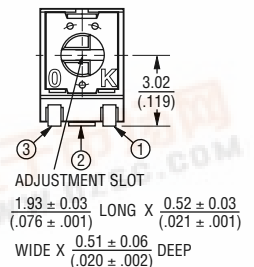
7813 SMD 3 mm Square Sealed Rotary Switch

Product Dimensions

7813J



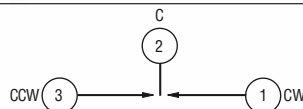
7813S



RECOMMENDED
LAND PATTERN

DIMENSIONS ARE: MM
(INCHES)

TOLERANCES: ±.2 EXCEPT WHERE NOTED.

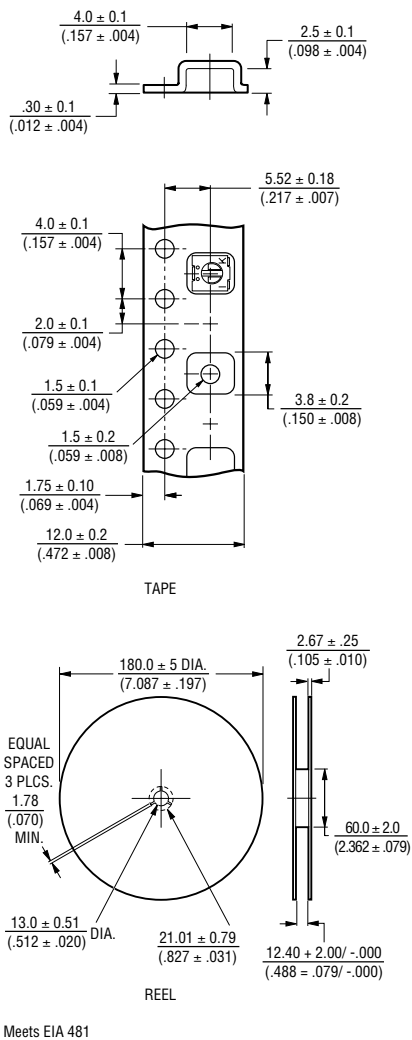


7813 SMD 3 mm Square Sealed Rotary Switch

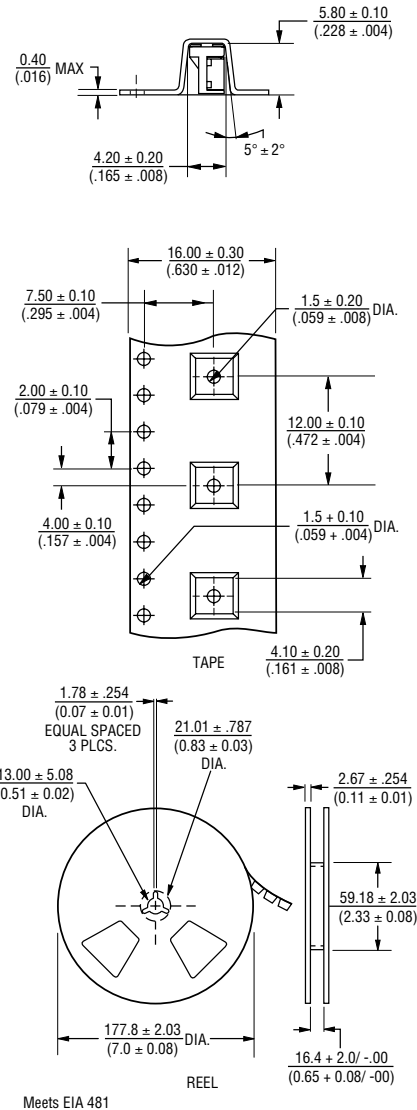
BOURNS®

Packaging Specifications

7813J



7813S



Reflow Soldering Profile

