

Features

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

- RoHS compliant* see processing information on RoHS compliant surface mount components
- For switch applications/processing guidelines, click here

7813 SMD 3 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	
1	100 megohms min.
Dielectric Strength	250 VAC

General Characteristics

Switch Type SPDT

Mechanical Characteristics

Positions	2
Adjustment Torque	5 N-cm max.
Stop Strength	1.8 N-cm min.

Environmental Characteristics

SHOCK	∠0 G
0.1 m	ns max. discontinuity
Vibration	100 G
0.1 m	ns max. discontinuity
Thermal Shock	(5 cycles)
	-55 °C to +125 °C

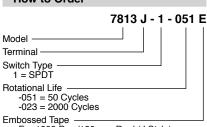
Humidity

Insulation Resistance

	10 megohms min.
Rotational Life	_
-051	50 Cycles
-023	2000 Cycles
Standard Packaging	
J	1.000 pcs./reel

S 200 pcs./reel

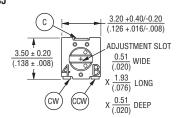
How to Order

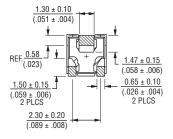


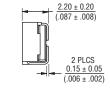
Embossed Tape E = 1000 Pcs./180 mm Reel (J Style) 200 Pcs./180 mm Reel (S Style)

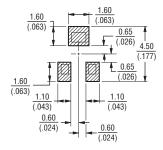
Product Dimensions

7813J





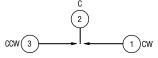




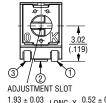
RECOMMENDED LAND PATTERN

DIMENSIONS: (INCHES)

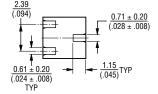
TOLERANCES: ±2 EXCEPT WHERE NOTED.

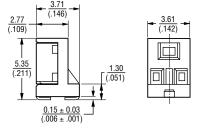


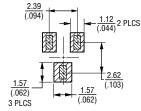
7813S



 $\frac{1.93 \pm 0.03}{(.076 \pm .001)}$ LONG X $\frac{0.52 \pm 0.03}{(.021 \pm .001)}$ WIDE X $\frac{0.51 \pm 0.06}{(.020 \pm .002)}$ DEEP







RECOMMENDED LAND PATTERN

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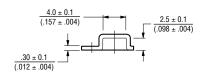
^{*}RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. †"Fluorinert" is a registered trademark of 3M Co.

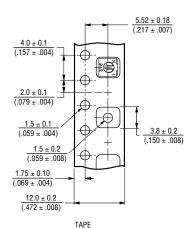
7813 SMD 3 mm Square Sealed Rotary Switch

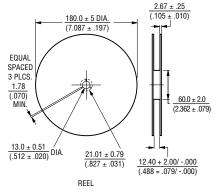
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Packaging Specifications

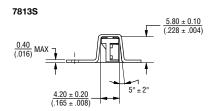
7813J

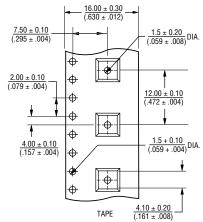


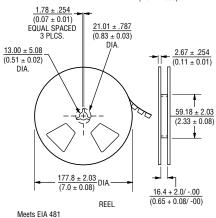




Meets EIA 481







DIMENSIONS:

MM (INCHES)

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