

**BOURNS®**

**Features**

- 10 position selector switch
- Miniature industrial switch
- Vertical adjust
- Rugged surface mount design
- Break-before make timing

**Applications**

- Test equipment
- Instrumentation
- Computer hardware

**7643 SMD 7 mm Square Sealed Selector Switch**

**Electrical Characteristics**

Contact Rating  
 Maximum Current ..... 100 mA max.  
 Maximum Voltage ..... 16 V  
 Contact Resistance  
 ..... 100 milliohms max.  
 Insulation Resistance  
 ..... 100 megohms  
 Dielectric Strength ..... 250 volts

**General Characteristics**

Operating Temperature Range  
 ..... -55 °C to +125 °C  
 Storage Temperature Range  
 ..... -55 °C to +125 °C  
 Seal Test ..... 85 °C Fluorinert\*

**Mechanical Characteristics**

Switch Type ..... SP9T  
 Adjustment Detent Torque  
 ..... 0.2-1.0 N-cm

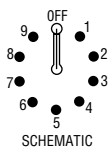
**Environmental Characteristics**

Shock ..... 100 G  
 0.1 ms. max. discontinuity  
 Vibration ..... 50 G  
 0.1 ms. max. discontinuity  
 Thermal Shock (5 cycles)  
 ..... -55 °C to +125 °C  
 Actuation Life ..... 10,000 cycles  
 Maximum Soldering Heat ..... 250 °C  
 5 seconds  
 Standard Packaging  
 Tube ..... 10 pcs./tube  
 Tape & Reel ..... 2500 pcs./reel

**How to Order**

**7643 J - 1 - 010 E**

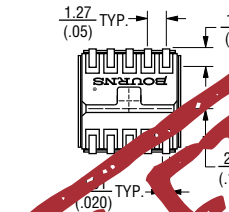
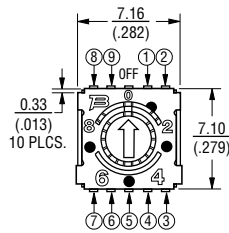
Model \_\_\_\_\_  
 Terminal \_\_\_\_\_  
 Switch Type \_\_\_\_\_  
 1 = SP9T  
 Number of Positions \_\_\_\_\_  
 010 = 10 Positions  
 ("0" Position is Off; Common)  
 Embossed Tape Option (Styles J, G only) \_\_\_\_\_



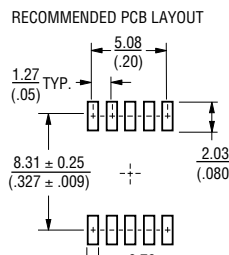
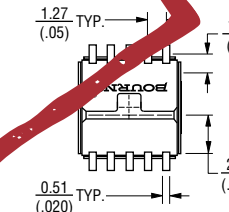
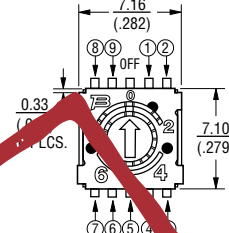
TOLERANCES: ±.2 EXCEPT WHERE NOTED.  
 DIMENSIONS:  $\frac{MM}{(IN)}$   
 \*OFF POSITION IS COMMON.

**Product Dimensions**

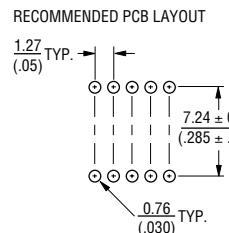
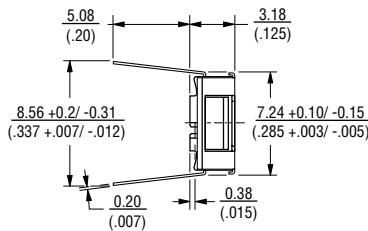
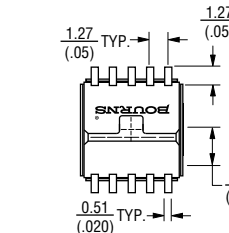
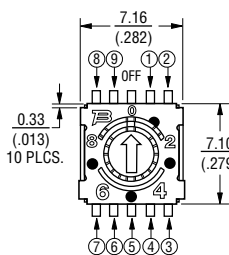
**7643J**



**7643G**



**7643H**

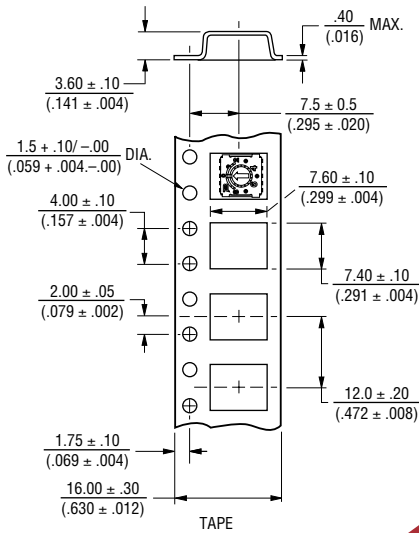


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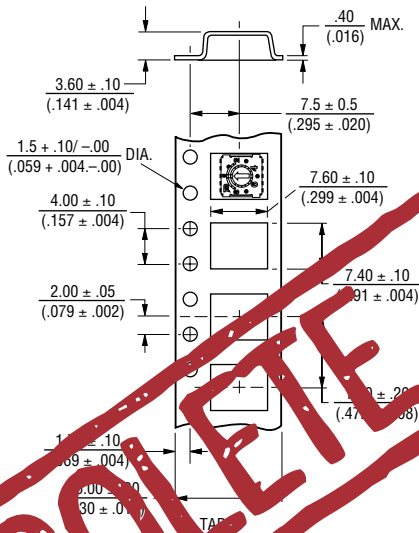
**BOURNS®**

## Packaging Specifications

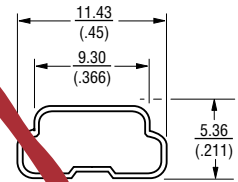
**(J Style)**



**(G Style)**

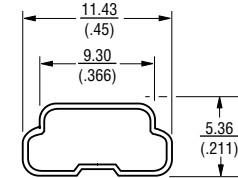


**(J Style)**

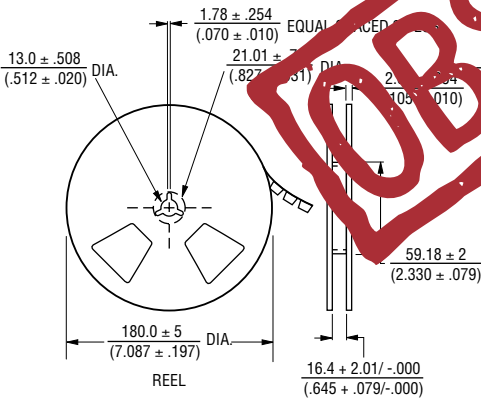


TUBE LENGTH - 384MM  
UNITS PACKAGED 50 PIECES PER TUBE.

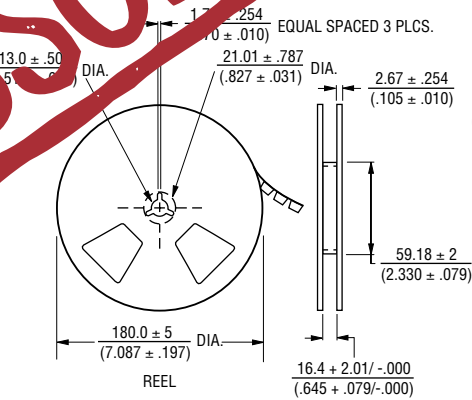
**(G Style)**



TUBE LENGTH - 384MM.  
UNITS PACKAGED 50 PIECES PER TUBE.

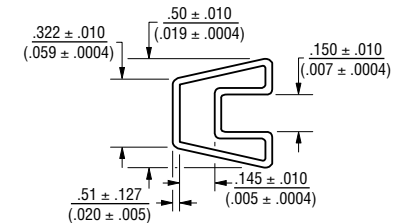


Meets EIA specification 481.



Meets EIA specification 481.

**(H Style)**



TUBE LENGTH - 390MM.  
UNITS PACKAGED 50 PIECES PER TUBE.

## Reflow Soldering Profile

