

### **Features**

- 1-1/4 " Rectangular / Multiturn Cermet / Industrial / Sealed
- Panel mount option available
- Listed on the QPL for style RJ12 per MIL-PRF-22097
- RoHS compliant\* version available

■ For trimmer applications/processing guidelines, click here

# 3059 - Trimpot® Trimming Potentiometer

#### **Electrical Characteristics**

Std. Resistance Range..10 to 2 megohms (see standard resistance table) Resistance Tolerance ......±10 % std. (tighter tolerance available) Absolute Minimum Resistance

......1 % or 2 ohms max.

(whichever is greater) Contact Resistance Variation

.....1.0 % or 1 ohm max. (whichever is greater)

Adjustability

Voltage ..... ±0.01 % Resistance ..... ±0.05 % Resolution ......Infinite Insulation Resistance ......500 vdc. 1,000 megohms min.

Dielectric Strength

Sea Level......900 vac 70,000 Feet ...... 350 vac Effective Travel ......22 turns nom.

### **Environmental Characteristics**

Power Rating @ 70 °C (400 volts max.) Power Rating @ 150 °C ...... 0 watt Temperature Range ... -55 °C to +150 °C Temperature Coefficient ... ±100 ppm/°C Seal Test ......85 °C Fluorinert† (pin styles only) Humidity ......MIL-STD-202 Method 106 (2 %  $\Delta$ TR, 10 Megohms IR) Vibration ...... 20 G (1 % ΔTR; 1 % ΔVR) Shock ...... 50 G (1 % ΔTR; 1 % ΔVR) Load Life. 1,000 hours 1.0 watt @ 70 °C .....(3 %  $\Delta$ TR; 1% or 1 ohms, whichever is greater, CRV) Rotational Life ......200 cycles (2 % ΔTR; 1 % or 1 ohm, whichever is greater, CRV)

### **Physical Characteristics**

Torque......5.0 oz-in. max. Mechanical Stops......Wiper idles Terminals Solderable printed circuit pins Flexible leads .....(7 strands of 30 AWG) Weight ...... 0.1 oz. Marking......Manufacturer's trademark, resistance code, terminal numbers, date code, manufacturer's model number and style Wiper ...... 50 % (Actual TR) ±10 % Flammability ......U.L. 94V-0 Standard Packaging P&Y Styles .....10 pcs. per tube L&J Styles .....25 pcs. per bag Adjustment Tool......H-90

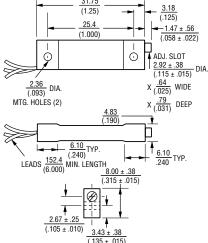


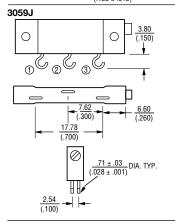
**Cancer and Reproductive Harm** www.P65Warnings.ca.gov

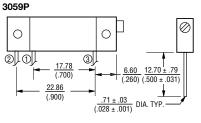
"Trimpot" is a registered trademark of Bourns, Inc. t"Fluorinert" is a registered trademark of 3M Co.

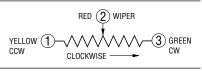
### **Product Dimensions**

### 3059L **Common Dimensions**



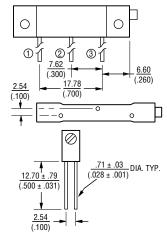






DIMENSIONS: (INCHES) TOLERANCES: ± **EXCEPT WHERE NOTED** 

### 3059Y

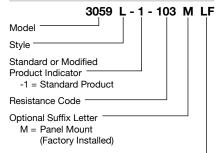


### **Standard Resistance Table**

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
25,000	253
50,000	503
100,000	104
200,000	204
250,000	254
500,000	504
1,000,000	105
2,000,000	205

Popular distribution values listed in boldface. Special resistances available.

### **How To Order**



Terminations

100 % Tin-plated (RoHS compliant) LF = Blank = 90 % Tin / 10 % Lead-plated (Standard)

\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf. REV. 04/14

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