

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

Additional Information

Click these links for more information:











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 Resistance1 % or 2 ohms max. (whichever is greater) Contact Resistance Variation1.0 % 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 Level900 VAC 70,000 Feet......350 VAC Effective Travel22 turns nom.

Environmental Characteristics

Power Rating @ 70 °C (400 volts max.)1.0 watt Power Rating @ 150 °C 0 watt Temperature Range....-55 °C to +150 °C Temperature Coefficient ±100 ppm/°C Seal Test.......85 °C (pin styles only) Humidity......MIL-STD-202 Method 106 (2 % Δ 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 % Δ 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 % FlammabilityU.L. 94V-0 Standard Packaging J, P & Y Styles......10 pcs. per tube L Style100 pcs. per bag Adjustment Tool H-90

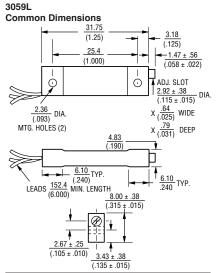


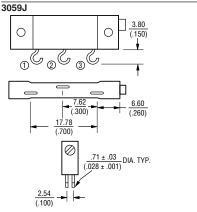
WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

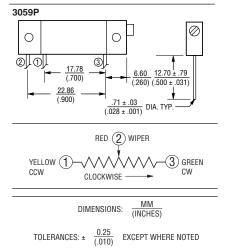
REV. 07/25

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex "Trimpot" is a trademark of Bourns, Inc.

Product Dimensions





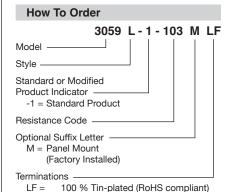


3059Y 21 7.62 (.300) (.700)0 $\frac{.71 \pm .03}{(.028 \pm .001)}$ DIA. TYP. 12.70 ^T .79

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



Blank = 90 % Tin / 10 % Lead-plated

(Standard)

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