

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 % ResolutionInfinite

Insulation Resistance500 vdc. 1,000 megohms min. Dielectric Strength

Sea Level......900 vac 70,000 Feet 350 vac Effective Travel22 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 Test85 °C Fluorinert† (pin styles only) HumidityMIL-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 Life200 cycles (2 % ΔTR; 1 % or 1 ohm, whichever is greater, CRV)

Physical Characteristics

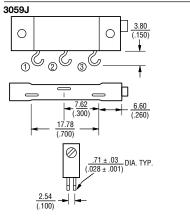
Torque......5.0 oz-in. max. Mechanical Stops......Wiper idles Terminals Solderable printed circuit pins Flexible leads(7 strands of 30 AWG) Weight 0.1 oz. Marking......Manufacturer's trademark, resistance code, terminal numbers, date code, manufacturer's model number and style Wiper 50 % (Actual TR) ±10 % FlammabilityU.L. 94V-0 Standard Packaging P&Y Styles10 pcs. per tube L&J Styles25 pcs. per bag Adjustment Tool......H-90

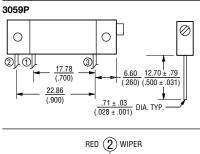
Cancer and Reproductive Harm www.P65Warnings.ca.gov

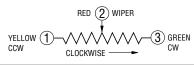
"Trimpot" is a registered trademark of Bourns, Inc. †"Fluorinert" is a registered trademark of 3M Co.

Product Dimensions

3059L **Common Dimensions** (1.000) $\overline{(.058 \pm .022)}$ ADJ. SLOT $\frac{2.92 \pm .38}{(.115 \pm .015)}$ DIA. x (.025) WIDE 2.36 (.093) DIA MTG. HOLES (2) X (.031) DEEP 6.10 TYP. 6.10 .240 TYP (.240)LEADS (52.4) MIN. LENGTH . 8.00 ± .38 $(.315 \pm .015)$ 2 67 + $(.105 \pm .010)$

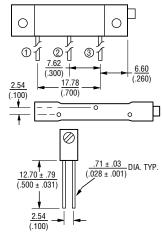






DIMENSIONS: (INCHES) TOLERANCES: ± **EXCEPT WHERE NOTED**

3059Y

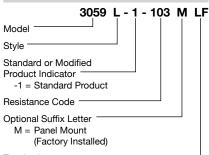


Standard Resistance Table

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