

Features

- 1-1/4 " Rectangular / Multiturn Wirewound / Industrial / Sealed
- Panel mount option available
- Listed on the QPL for style RT12 per MIL-PRF-27208
- RoHS compliant*

■ For trimmer applications/processing guidelines, click here

3057 - Trimpot® Trimming Potentiometer

Electrical Characteristics

Std. Resistance Range 10 to 50K ohms (see standard resistance table) Resistance Tolerance ±5 % std. (tighter tolerance available)

Absolute Minimum Resistance

......0.1 % or 1 ohm max. (whichever is greater) Noise100 ohms ENR max. ResolutionSee Resistance Table Insulation Resistance500 vdc. 1,000 megohms min.

Dielectric Strength

Sea Level 1,500 vac 70,000 Feet...... 400 vac Adjustment Travel......22 turns nom.

Environmental Characteristics

Power Rating @ 70 °C1 watt Power Rating @ 150 °C0 watt Temperature Range -55 °C to +150 °C Temperature Coefficient ±50 ppm/°C Seal Test.....85 °C Fluorinert† (pin styles only) HumidityMIL-STD-202 Method 106 96 hours 2 % Δ TR, 100 Megohms IR) Vibration 30 G (1 % ΔTR; 0.5 % + resolution ΔVR) Shock 100 G (1 % ΔTR; 0.5 % + resolution ΔVR) Load Life...... 1,000 hours 1 watt @ 70 °C (2 % Δ TR) Rotational Life200 cycles (2 % Δ TR) Moisture Sensitivity Level.....N/A ESD Classification (HBM).....2

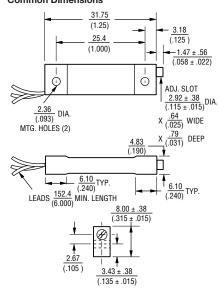
Physical Characteristics

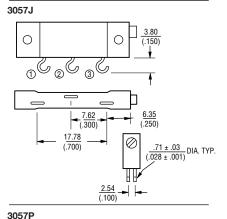
Torque......8.0 oz-in. max. Mechanical Stops......Wiper idles Terminals Solderable pins and lugs Flexible leads(7 strands of 30 AWG) Weight 0.10 oz. Marking.....Manufacturer's trademark, resistance code, terminal numbers, date code, manufacturer's model number and style Wiper50 % (Actual TR) ±10 % FlammabilityU.L. 94V-0 Standard Packaging P&Y Style......10 pcs. per tube L&J Style.....100 pcs. per box

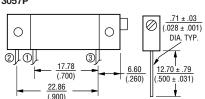
Adjustment Tool......H-90

Product Dimensions

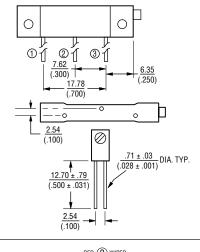
3057L **Common Dimensions**







3057Y





DIMENSIONS: (INCHES)

EXCEPT WHERE NOTED TOLERANCES: ±

Standard Resistance Table

Resistance (Ohms)	Resistance Code	Nominal Resolution (Percent)
10	100	2.40
20	200	1.90
50	500	1.40
100	101	1.00
200	201	0.86
500	501	0.89
1,000	102	0.72
2,000	202	0.58
5,000	502	0.43
10,000	103	0.34
20,000	203	0.31
50,000	503	0.24

Popular values listed in boldface. Special resistances available.

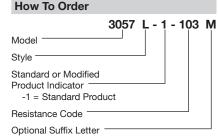
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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

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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

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M = Panel Mount (Factory Installed)

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