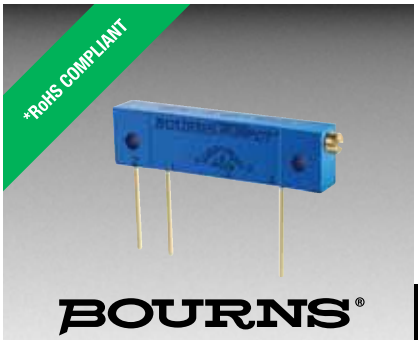


Features

- 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

Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

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)
Noise ..... 100 ohms ENR max.
Resolution ..... See Resistance Table
Insulation Resistance ..... 500 VDC 1,000 megohms min.
Dielectric Strength
Sea Level ..... 1,500 VAC
70,000 Feet ..... 400 VAC
Adjustment Travel ..... 22 turns nom.

Environmental Characteristics

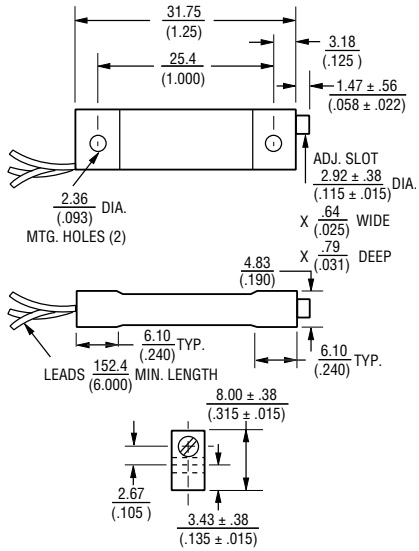
Power Rating @ 70 °C ..... 1 watt
Power Rating @ 150 °C ..... 0 watt
Temperature Range ..... -55 °C to +150 °C
Temperature Coefficient ..... ±50 ppm/°C
Seal Test ..... 85 °C (pin styles only)
Humidity ..... MIL-STD-202 Method 106 96 hours 2 % ΔTR, 100 Megohms IR)
Vibration ..... 30 G (1 % ΔTR; 0.5 % + resolution ΔVR)
Shock ..... 100 G (1 % ΔTR; 0.5 % + resolution ΔVR)
Load Life ..... 1,000 hours 1 watt @ 70 °C (2 % ΔTR)
Rotational Life ..... 200 cycles (2 % ΔTR)
Moisture Sensitivity Level ..... N/A
ESD Classification (HBM) 2

Physical Characteristics

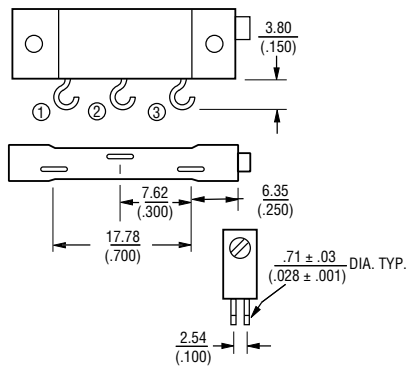
Torque ..... 8.0 oz-in. max.
Mechanical Stops ..... Wiper idles
Terminals ..... Solderable pins and lugs
Flexible leads ..... (7 strands of 30 AWG)
Weight ..... 0.10 oz.
Marking ..... Manufacturer's trademark, resistance code, terminal numbers, date code, manufacturer's model number and style
Wiper ..... 50 % (Actual TR) ±10 %
Flammability ..... U.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

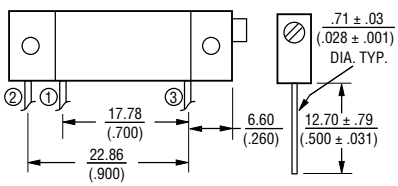
3057L
Common Dimensions



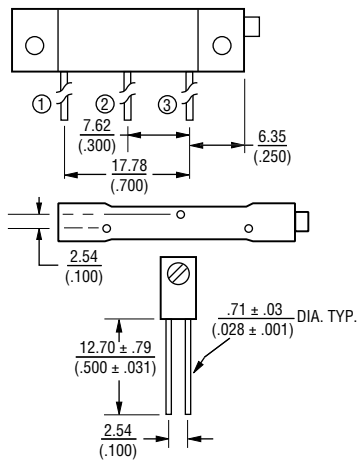
3057J

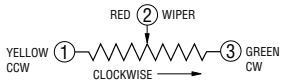


3057P



3057Y





DIMENSIONS: MM (INCHES)

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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.

How To Order

3057 L - 1 - 103 M

Model
Style
Standard or Modified Product Indicator
-1 = Standard Product
Resistance Code
Optional Suffix Letter
M = Panel Mount (Factory Installed)

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

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex
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Users should verify actual device performance in their specific applications.
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