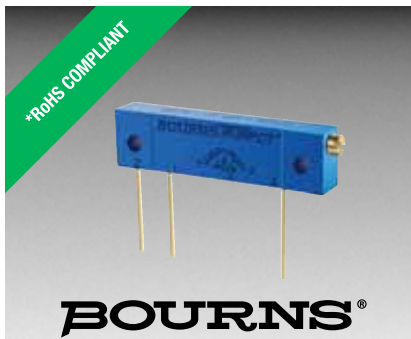




Features

- 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:



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3057 - Trimpot® Trimming Potentiometer

Electrical Characteristics

Std. Resistance Range10 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.
Resolution..... See Resistance Table
Insulation Resistance 500 VDC
1,000 megohms min.
Dielectric Strength
Sea Level1,500 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)
Vibration30 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
TerminalsSolderable 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



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

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex

"Trimpot" is a registered trademark of Bourns, Inc.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

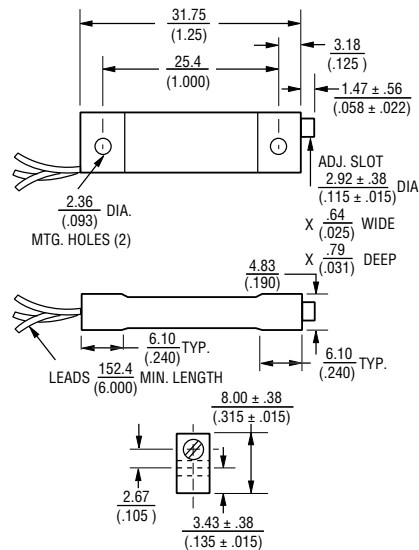
The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

REV. 06/24

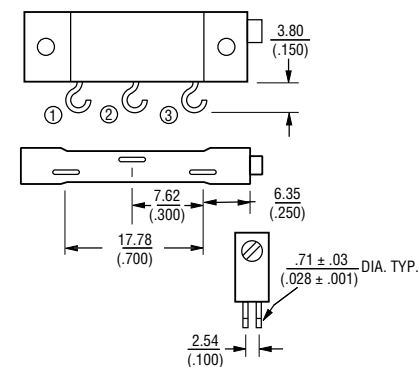
Product Dimensions

3057L

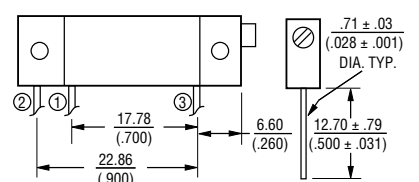
Common Dimensions



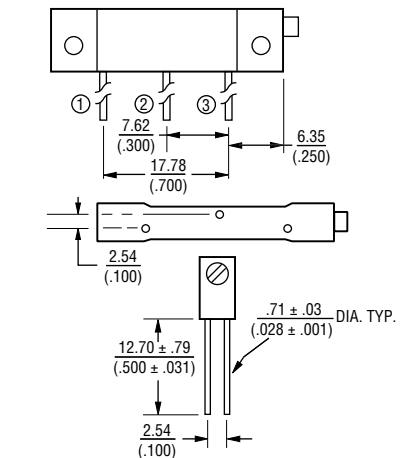
3057J



3057P



3057Y



RED ② WIPER
YELLOW ① CCW
GREEN ③ CW
CLOCKWISE

DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

TOLERANCES: ± $\frac{0.25}{(.010)}$ 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)

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