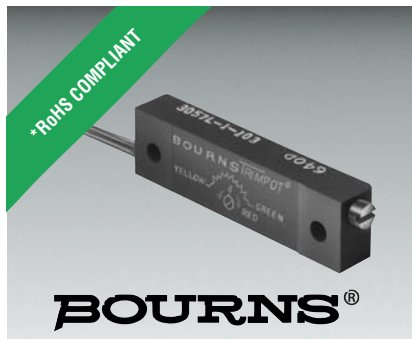




Features

- 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*

3057 - Trimpot® Trimming Potentiometer

Electrical Characteristics

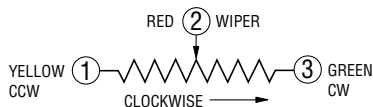
Standard Resistance Range 10 to 50K ohms
(see standard resistance table)
Resistance Tolerance $\pm 5\%$ std.
(tighter tolerance available)
Absolute Minimum Resistance 0.1 % or 1 ohm max.
(whichever is greater)
Noise 100 ohms ENR max.
Resolution See Resistance Table
Insulation Resistance 500 vdc.
1,000 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 Fluorinert†
(pin styles only)
Humidity MIL-STD-202 Method 106
96 hours
2 % Δ TR, 100 Megohms IR)
Vibration 30 G (1 % Δ TR; 0.5 %
+ resolution Δ VR)
Shock 100 G (1 % Δ TR; 0.5 %
+ resolution Δ VR)
Load Life.... 1,000 hours 1 watt @ 70 °C
(2 % Δ TR)
Rotational Life 200 cycles (2 % Δ TR)

Physical Characteristics

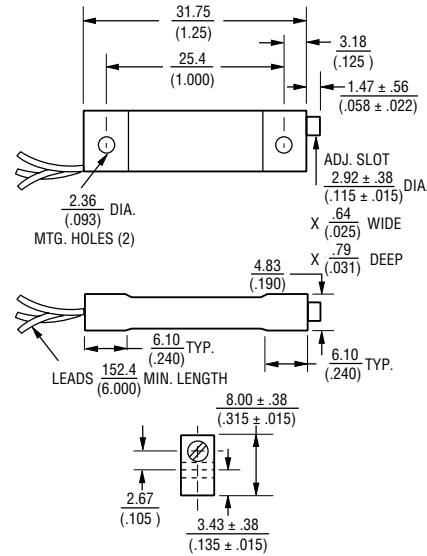
Torque 8.0 oz-in. max.
Mechanical Stops Wiper idles
Terminals Solderable pins and lugs
Flexible leads (7 strands of 30 AWG)
Weight 0.10 oz.
Marking Manufacturer's trademark,
resistance code, terminal numbers,
date code, manufacturer's model
number and style
Wiper 50 % (Actual TR) $\pm 10\%$
Flammability U.L. 94V-0
Standard Packaging
P&Y Style 10 pcs. per tube
L&J Style 25 pcs. per bag
Adjustment Tool H-90



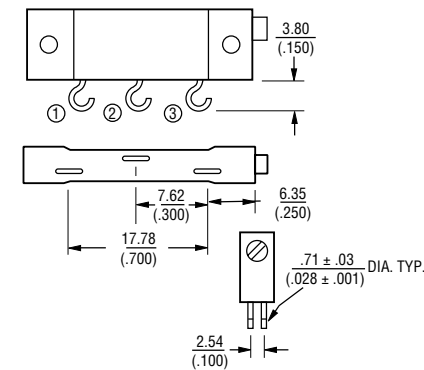
Product Dimensions

3057L

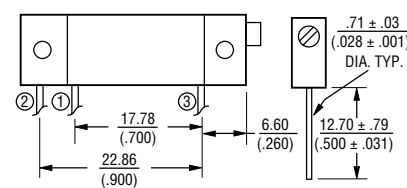
Common Dimensions



3057J



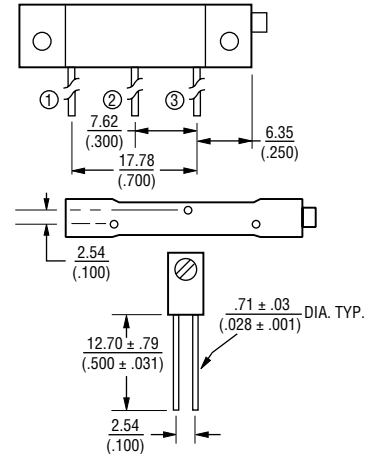
3057P



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

TOLERANCES: $\pm \frac{0.25}{(.010)}$ EXCEPT WHERE NOTED

3057Y



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)

REV. 11/08

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
 †"Fluorinert" is a registered trademark of 3M Co.

Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications