

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 Range10 to 50K ohms
(see standard resistance table)
Resistance Tolerance±5 % std.
(tighter tolerance available)
Absolute Minimum Resistance0.1 % or 1 ohm max.
(whichever is greater)
Noise100 ohms ENR max.
ResolutionSee Resistance Table
Insulation Resistance500 vdc.
1,000 megohms min.
Dielectric Strength
Sea Level1,500 vac
70,000 Feet400 vac
Adjustment Travel22 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 Test85 °C Fluorinert*
(pin styles only)
HumidityMIL-STD-202 Method 106
96 hours
2 % ΔTR, 100 Megohms IR
Vibration30 G (1 % ΔTR; 0.5 %
+ resolution ΔVR)
Shock100 G (1 % ΔTR; 0.5 %
+ resolution ΔVR)
Load Life1,000 hours 1 watt @ 70 °C
(2 % ΔTR)
Rotational Life200 cycles (2 % ΔTR)

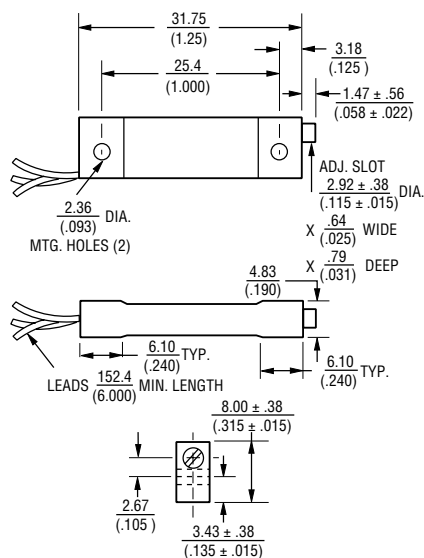
Physical Characteristics

Torque5.0 oz-in. max.
Mechanical StopsWiper idles
TerminalsSolderable pins and lugs
Flexible leads(7 strands of 30 AWG)
Weight0.10 oz.
MarkingManufacturer'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 Style10 pcs. per tube
L&J Style25 pcs. per bag
Adjustment ToolH-90

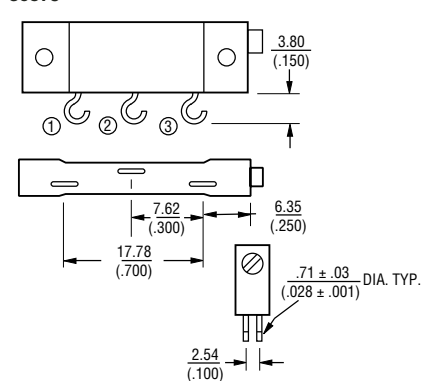
Product Dimensions

3057L

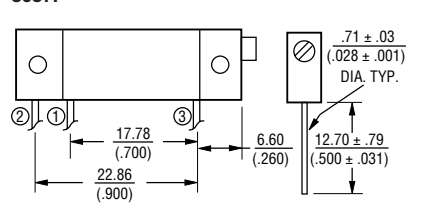
Common Dimensions



3057J



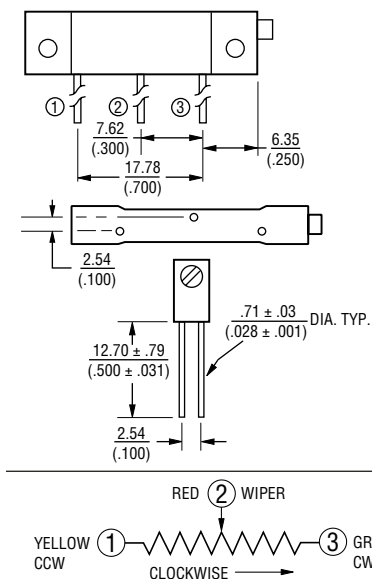
3057P



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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

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. 10/05

*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.