

Features

- 1-1/4" Rectangular / Multiturn Cermet / Industrial / Sealed
- Panel mount option available (see page 72 for details)

3059 - Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 to 2 megohms
(see standard resistance table)
Resistance Tolerance±10% std.
(tighter tolerance available)
Absolute Minimum Resistance1% or 2 ohms max.
(whichever is greater)
Contact Resistance Variation1.0% or 1 ohm max.
(whichever is greater)
Adjustability
Voltage±0.01%
Resistance±0.05%
ResolutionInfinite
Insulation Resistance500 vdc.
1,000 megohms min.
Dielectric Strength
Sea Level900 vac
70,000 Feet350 vac
Effective Travel22 turns nom.

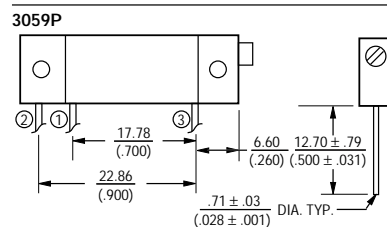
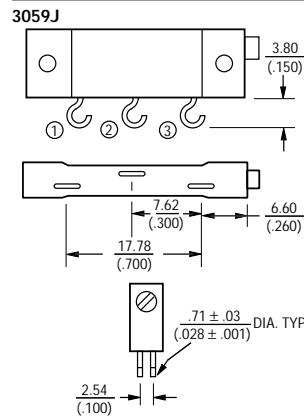
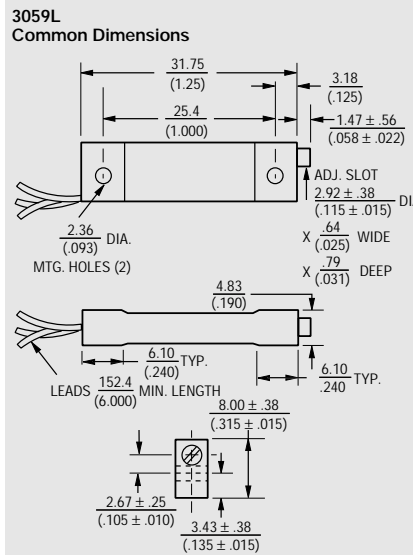
Environmental Characteristics

Power Rating @ 70°C (400 volts max.)1.0 watt
Power Rating @ 150°C0 watt
Temperature Range-55°C to +150°C
Temperature Coefficient±100ppm/°C
Seal Test85°C Fluorinert*
(pin styles only)
HumidityMIL-STD-202 Method 106
(2% ΔTR, 10 Megohms IR)
Vibration20G (1% ΔTR; 1% ΔVR)
Shock50G (1% ΔTR; 1% ΔVR)
Load Life ..1,000 hours 1.0 watt @ 70°C
(3% ΔTR; 1% or 1 ohms, whichever is greater, CRV)
Rotational Life200 cycles
(2% ΔTR; 1% or 1 ohm, whichever is greater, CRV)

Physical Characteristics

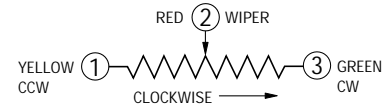
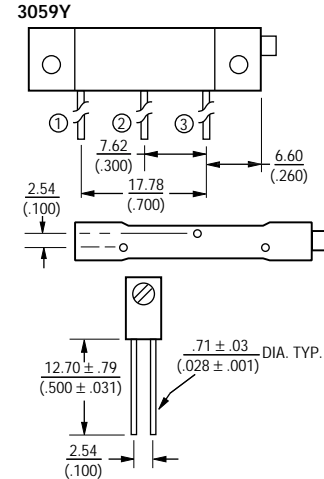
Torque5.0 oz-in. max.
Mechanical StopsWiper idles
Terminals. Solderable printed circuit pins
Flexible leads(7 strands of 30 AWG)
Weight0.1 oz.
MarkingManufacturer's trademark,
.....resistance code, terminal
.....numbers, date code, manufacturer's
..... model number and style
WiperSet at CW end
FlammabilityU.L. 94V-0
Standard Packaging
P&Y Styles10 pcs. per tube
L&J Styles25 pcs. per bag
Adjustment ToolH-90

*"FLUORINERT" IS A REGISTERED TRADEMARK OF 3M CO.



How To Order

Model **3059 L - 1 - 103 M**
Style _____
Standard or Modified Product Indicator _____
-1 = Standard Product
Resistance Code _____
Optional Suffix Letter _____
M = Panel Mount (Factory Installed)



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: METRIC (INCHES)

Standard Resistance Table

| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| 10 | 100 |
| 20 | 200 |
| 50 | 500 |
| 100 | 101 |
| 200 | 201 |
| 500 | 501 |
| 1,000 | 102 |
| 2,000 | 202 |
| 5,000 | 502 |
| 10,000 | 103 |
| 20,000 | 203 |
| 25,000 | 253 |
| 50,000 | 503 |
| 100,000 | 104 |
| 200,000 | 204 |
| 250,000 | 254 |
| 500,000 | 504 |
| 1,000,000 | 105 |
| 2,000,000 | 205 |

Popular values listed in boldface. Special resistances available.

SHADED AREAS TYPICALLY NOT STOCKED BY DISTRIBUTORS AND NOT RECOMMENDED FOR NEW DESIGNS.