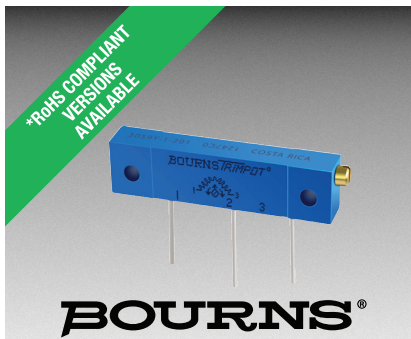




Features

- 1-1/4" Rectangular / Multiturn Cermet / Industrial / Sealed
- [Panel mount option available](#)
- [Listed on the QPL](#) for style **RJ12** per MIL-PRF-22097
- RoHS compliant* version available
- For trimmer applications/processing guidelines, [click here](#)

Additional Information

Click these links for more information:



PRODUCT
SELECTOR



TECHNICAL
LIBRARY



INVENTORY



SAMPLES



CONTACT

3059 – Trimpot® Trimming Potentiometer

Electrical Characteristics

Std. Resistance Range.. 10 to 2 megohms
(see standard resistance table)
Resistance Tolerance $\pm 10\%$ std.
(tighter tolerance available)
Absolute Minimum Resistance
..... 1 % or 2 ohms max.
(whichever is greater)
Contact Resistance Variation
..... 1.0 % or 1 ohm max.
(whichever is greater)
Adjustability
Voltage $\pm 0.01\%$
Resistance $\pm 0.05\%$
Resolution..... Infinite
Insulation Resistance 500 VDC
1,000 megohms min.
Dielectric Strength
Sea Level 900 VAC
70,000 Feet 350 VAC
Effective Travel 22 turns nom.

Environmental Characteristics

Power Rating @ 70 °C (400 volts max.)
..... 1.0 watt
Power Rating @ 150 °C 0 watt
Temperature Range..... -55 °C to +150 °C
Temperature Coefficient ± 100 ppm/°C
Seal Test..... 85 °C (pin styles only)
Humidity..... MIL-STD-202 Method 106
(2 % Δ TR, 10 Megohms IR)
Vibration 20 G (1 % Δ TR; 1 % Δ VR)
Shock..... 50 G (1 % Δ TR; 1 % Δ VR)
Load Life..... 1,000 hours 1.0 watt @ 70 °C
(3 % Δ TR; 1 % or 1 ohms,
whichever is greater, CRV)
Rotational Life..... 200 cycles
(2 % Δ TR; 1 % or 1 ohm,
whichever is greater, CRV)

Physical Characteristics

Torque..... 5.0 oz-in. max.
Mechanical Stops Wiper idles
Terminals..... Solderable printed circuit pins
Flexible leads (7 strands of 30 AWG)
Weight 0.1 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
J, P & Y Styles..... 10 pcs. per tube
L Style 100 pcs. per bag
Adjustment Tool H-90



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

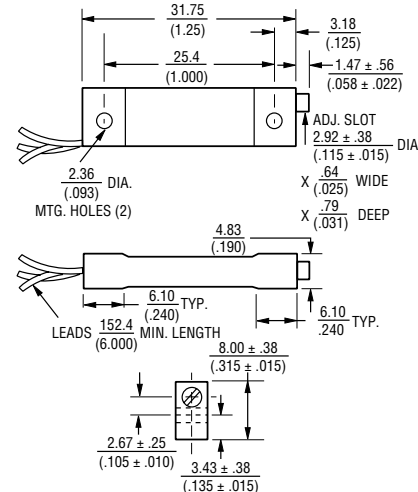
REV. 07/25

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex
"Trimpot" is a trademark of Bourns, Inc.

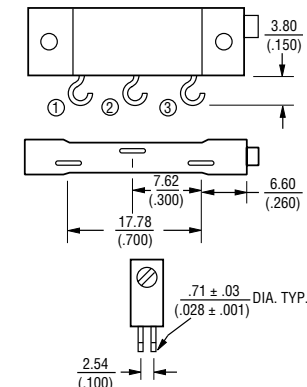
Product Dimensions

3059L

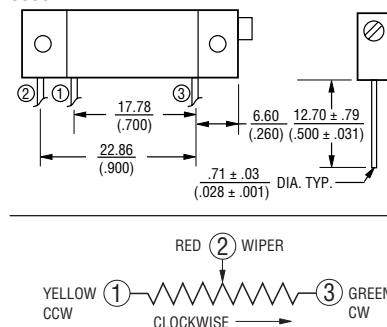
Common Dimensions



3059J



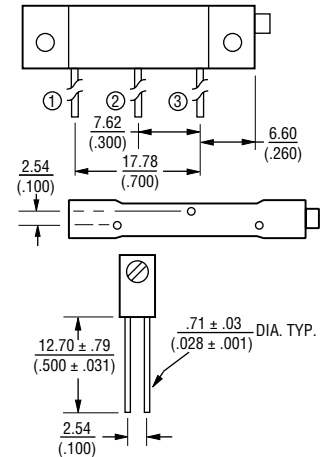
3059P



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

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

3059Y



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 distribution values listed in **boldface**.
Special resistances available.

How To Order

3059 L - 1 - 103 M LF

Model _____
Style _____
Standard or Modified
Product Indicator _____
-1 = Standard Product
Resistance Code _____
Optional Suffix Letter _____
M = Panel Mount
(Factory Installed)
Terminations _____
LF = 100 % Tin-plated (RoHS compliant)
Blank = 90 % Tin / 10 % Lead-plated
(Standard)

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