

Features

- Multiturn / Wirewound / Sealed
- Listed on the QPL for style RT22 per MIL-R-27208 and RTR22 per High-Rel MIL-R-39015
- Panel mount option available
- RoHS compliant*
- For trimmer applications/processing guidelines, [click here](#)

3250 - 1/2" Square Trimpot® Trimming Potentiometer

Electrical Characteristics

| | |
|-----------------------------|---------------------------------|
| Standard Resistance Range | 10 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) |
| Noise | 100 ohms ENR max. |
| Resolution | See Resistance Table |
| Insulation Resistance | 500 vdc. |
| | 1,000 megohms min. |
| Dielectric Strength | |
| Sea Level | 1,000 vac |
| 80,000 Feet | 400 vac |
| Adjustment Travel | 25 turns nom. |

Environmental Characteristics

| | |
|-------------------------|-----------------------------------|
| Power Rating @ 85 °C | 1.0 watt |
| Power Rating @ 150 °C | 0 watt |
| Temperature Range | -65 °C to +150 °C |
| Temperature Coefficient | ±50 ppm/°C |
| Seal Test | 85 °C Fluorinert† |
| | (pin styles only) |
| Humidity | MIL-STD-202 Method 106 |
| | (2 % ΔTR; 100 Megohms IR) |
| Vibration | 30 G |
| | (1 % ΔTR; 0.5 % + resolution ΔVR) |
| Shock | 100 G |
| | (1 % ΔTR; 0.5 % + resolution ΔVR) |
| Load Life | |
| | 1,000 hours 1.0 watt @ 85 °C |
| | (2 % ΔTR; 500 ohms ENR) |
| Rotational Life | 200 cycles |
| | (2 % ΔTR; 500 ohms ENR) |

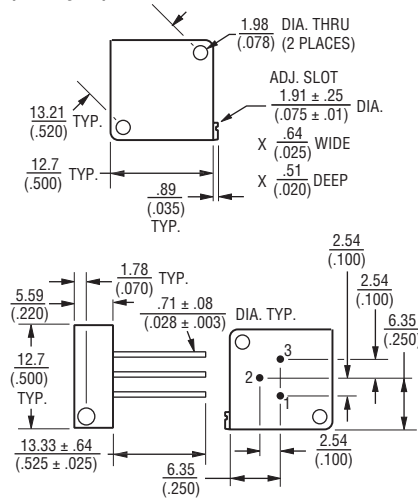
Physical Characteristics

| | |
|------------------------|--------------------------------------|
| Torque | 5.0 oz-in. max. |
| Mechanical Stops | Wiper idles |
| Terminals | Solderable printed circuit pins |
| | Flexible leads (7 strands of 30 AWG) |
| Weight | 0.06 oz. |
| Machine Screw Mounting | |
| | Torque 12 oz-in. max. |
| 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&W Styles | 25 pcs. per tube |
| L Style | 25 pcs. per bag |
| Adjustment Tool | H-90 |

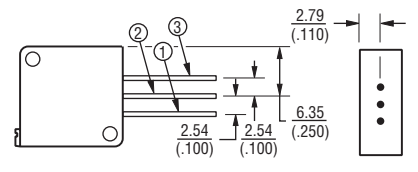
Product Dimensions

3250P

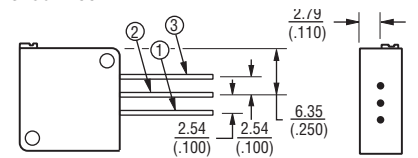
Common Dimensions (Pin Styles)



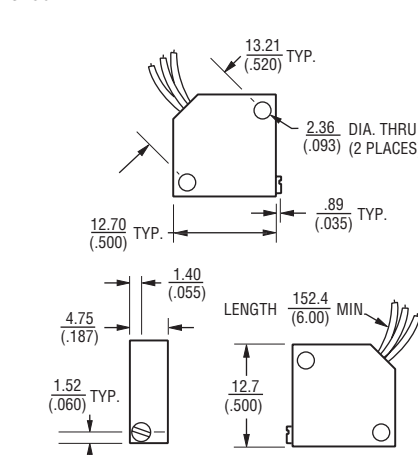
3250W



3250W-66



3250L



How To Order

3250 L - 1 - 103 M

Model _____

Style _____

Standard or Modified _____

Product Indicator _____

-1 = Standard Product

Resistance Code _____

Optional Suffix Letter _____

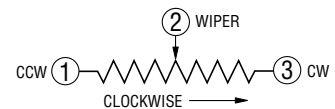
M = Panel Mount
(Factory Installed)

Consult factory for other available options.

Standard Resistance Table

| Resistance (Ohms) | Resistance Code | Nominal Resolution (Percent) |
|-------------------|-----------------|------------------------------|
| 10 | 100 | 1.30 |
| 20 | 200 | 1.00 |
| 50 | 500 | 0.80 |
| 100 | 101 | 0.90 |
| 200 | 201 | 0.70 |
| 500 | 501 | 0.60 |
| 1,000 | 102 | 0.40 |
| 2,000 | 202 | 0.30 |
| 5,000 | 502 | 0.25 |
| 10,000 | 103 | 0.19 |
| 20,000 | 203 | 0.16 |
| 25,000 | 253 | 0.14 |
| 50,000 | 503 | 0.13 |

Popular values listed in boldface. Special resistances available.



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

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

REV. 08/10

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex. "Trimpot" is a registered trademark of Bourns, Inc. †"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.