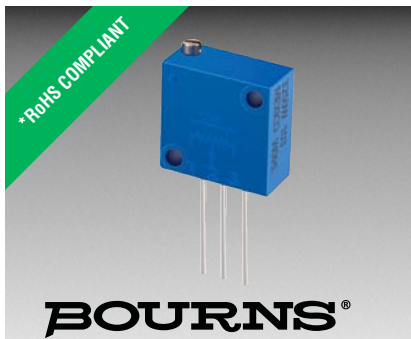




Features

- 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 $\pm 5\%$ 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 1,000 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 % 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 1.0 watt @ 85 °C
(2 % Δ TR; 500 ohms ENR)
Rotational Life 200 cycles
(2 % Δ TR; 500 ohms ENR)

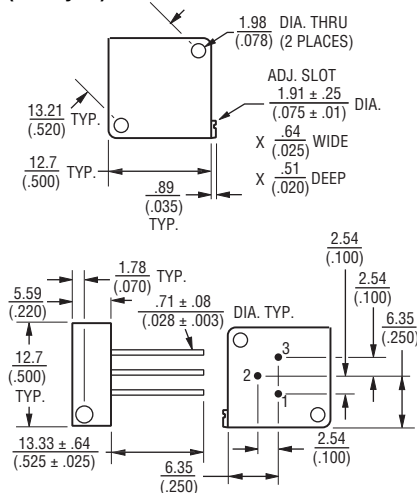
Physical Characteristics

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) $\pm 10\%$
Flammability U.L. 94V-0
Standard Packaging
P&W Styles 25 pcs. per tube
L Style 25 pcs. per bag
Adjustment Tool H-90

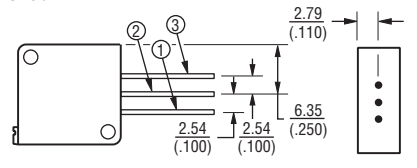
Product Dimensions

3250P

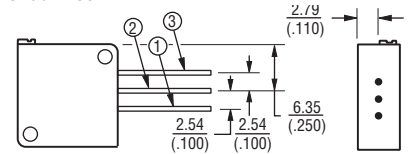
Common Dimensions (Pin Styles)



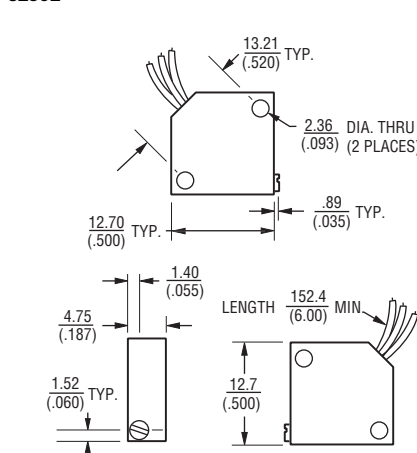
3250W



3250W-66



3250L



How To Order

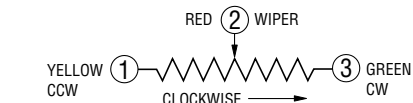
Model **3250** **L** - **1** - **103** **M**
Style
Standard or Modified
Product Indicator
-1 = Standard Product
Resistance Code
Optional Suffix Letter
M = Panel Mount - Factory Installed
(Only Available for L, W & X Terminal
Styles)

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

REV. 04/15

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
"Trimpot" is a registered trademark of Bourns, Inc.
†"Fluorinert" is a registered trademark of 3M Co.
Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.

Mouser Electronics

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Bourns:

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