

### **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

# "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 (pin styles only) Humidity...... MIL-STD-202 Method 106 (2 % DTR; 100 Megohms IR) Vibration ......30 G (1 % DTR; 0.5 % + resolution DVR) Shock......100 G (1 % DTR; 0.5 % + resolution DVR) Load Life ...... 1,000 hours 1.0 watt @ 85 °C (2 % DTR; 500 ohms ENR) Rotational Life.....200 cycles (2 % DTR; 500 ohms ENR)

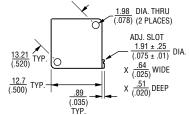
### **Physical Characteristics**

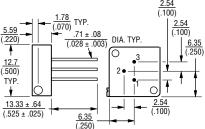
Torque......5.0 oz-in. max. Mechanical Stops ...... Wiper idles Terminals... Solderable printed circuit pins Flexible leads (7 strands of 30 AWG) Flexible Lead Colors 3250L-1 ..... Green, Yellow and Red 3250L-FT7...... Red, White and Black Weight ......0.06 oz. Machine Screw Mounting Torque ...... 12 oz-in. max. Marking......Manufacturer's trademark, resistance code, terminal numbers, date code, manufacturer's model number and style Wiper ..... 50 % (Actual TR) ±10 %

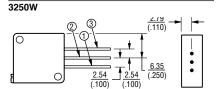
Flammability ......U.L. 94V-0 Standard Packaging

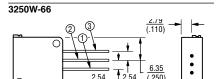
P&W Styles ......25 pcs. per tube L Style ......25 pcs. per bag Adjustment Tool ...... H-90 **Product Dimensions** 

3250P **Common Dimensions** (Pin Styles)









3250L-FT7

### **Additional Information**

Click these links for more information:







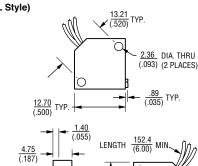


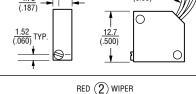


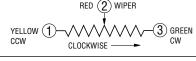
SELECTOR

3250L

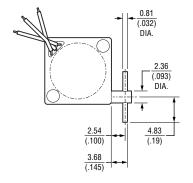
**Common Dimensions** (L Style)

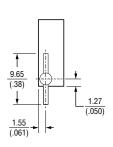






DIMENSIONS: (INCHES) EXCEPT WHERE NOTED TOLERANCES: ±





Users should verify actual device performance in their specific applications.

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<sup>\*</sup>RoHS Directive 2015/863, Mar. 31, 2015 and Annex

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# 3250 – 1/2 "Square Trimpot® Trimming Potentiometer

### BOURNS

How To Order	
	3250 L - 1 - 103 M
Model ————————————————————————————————————	
Style —	
Standard or Modified Product Indicator -1 = Standard Product -FT7 = T- Shaft Version (Only Available in L Style)	
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.

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REV. 03/25

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