

## 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)

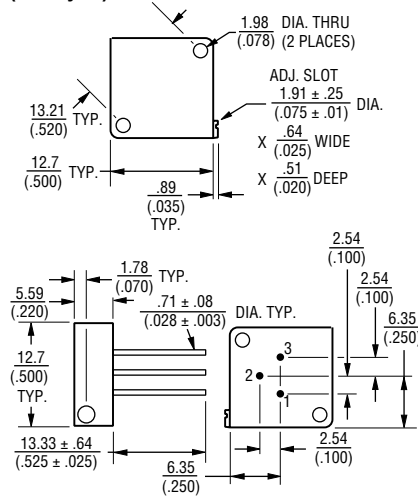
## Physical Characteristics

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

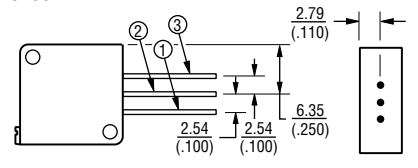
## Product Dimensions

### 3250P

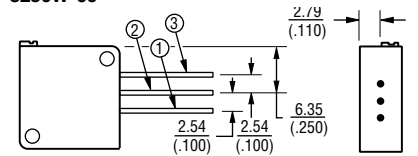
#### Common Dimensions (Pin Styles)



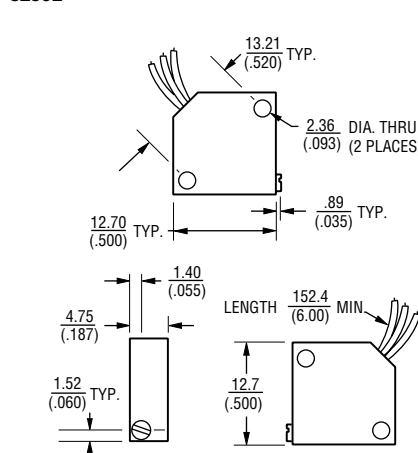
### 3250W



### 3250W-66



### 3250L



## How To Order

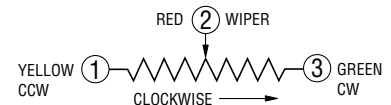
Model	3250 L - 1 - 103 M
Style	
Standard or Modified	
Product Indicator	-1 = Standard Product
Resistance Code	
Optional Suffix Letter	
	M = Panel Mount - Factory Installed
	(Only Available for L, W & X Terminal Styles)

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
<b>100</b>	<b>101</b>	<b>0.90</b>
<b>200</b>	<b>201</b>	<b>0.70</b>
<b>500</b>	<b>501</b>	<b>0.60</b>
<b>1,000</b>	<b>102</b>	<b>0.40</b>
<b>2,000</b>	<b>202</b>	<b>0.30</b>
<b>5,000</b>	<b>502</b>	<b>0.25</b>
<b>10,000</b>	<b>103</b>	<b>0.19</b>
<b>20,000</b>	<b>203</b>	<b>0.16</b>
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



**WARNING Cancer and Reproductive Harm**

[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

REV. 08/19

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