

## Features

- Multiturn / Cermet / Sealed
- [Listed on the QPL](#) for style [RJ22](#) per MIL-R-22097
- [Panel mount option available](#)
- RoHS compliant\* version available
- For trimmer applications/processing guidelines, [click here](#)

# 3252 – 1/2" Square Trimpot® Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range	10 to 2 megohms (see standard resistance table)
Resistance Tolerance	±10 % std. (tighter tolerance available)
Absolute Minimum Resistance	1 % or 2 ohms max. (whichever is greater)
Contact Resistance Variation	1 % or 2 ohms max. (whichever is greater)
Adjustability	
Voltage	±0.01 %
Resistance	±0.05 %
Resolution	Infinite
Insulation Resistance	500 VDC 1,000 megohms min.
Dielectric Strength	
Sea Level	1,000 VAC
80,000 Feet	400 VAC
Effective Travel	25 turns nom.

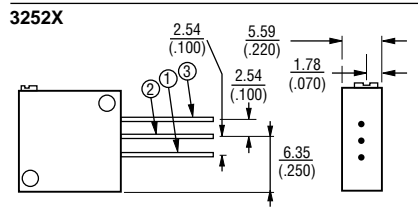
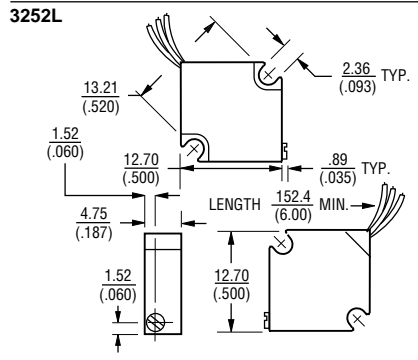
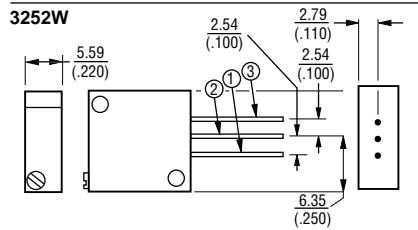
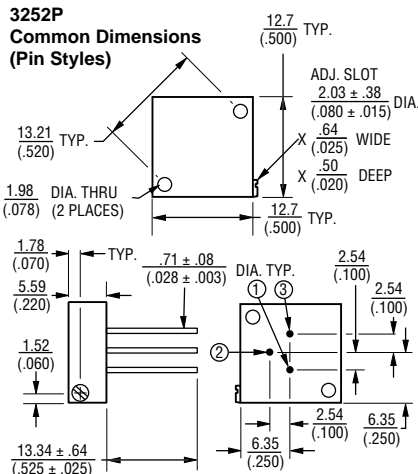
### Environmental Characteristics

Power Rating @ 85 °C (400 volts max.)	0.75 watt
Power Rating @ 150 °C	0 watt
Temperature Range	-65 °C to +150 °C
Temperature Coefficient	±100 PPM/°C
Seal Test	85 °C (pin styles only)
Humidity	MIL-STD-202 Method 103; 96 hours (1 % ΔTR; 100 Megohms IR)
Vibration	30 G (1 % ΔTR; 1 % ΔVR)
Shock	100 G (1 % ΔTR; 1 % ΔVR)
Load Life	1,000 hours 0.75 watt @ 85 °C (3 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)
Rotational Life	200 cycles (2 % ΔTR; 3 % or 3 ohms, 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	0.065 oz.
Wiper	50 % (Actual TR) ±10 %
Flammability	U.L. 94V-0
Machine Screw Mounting	
Torque	12 oz-in. max.
Marking	Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
Standard Packaging	
X, P&W Styles	25 pcs. per tube
L Style	25 pcs. per bag
Adjustment Tool	H-90

### Product Dimensions



### Additional Information

Click these links for more information:



[PRODUCT SELECTOR](#) [TECHNICAL LIBRARY](#) [INVENTORY](#) [SAMPLES](#) [CONTACT](#)

### How To Order

**3252 L - 1 - 103 M LF**

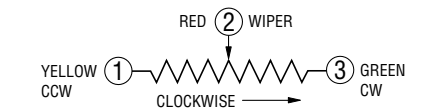
Model	3252
Style	L
Standard or Modified	-1
Product Indicator	-1 = Standard Product
Resistance Code	103
Optional Suffix Letter	M = Panel Mount (Factory Installed)
Terminations	LF = 100 % Tin-plated (RoHS compliant) Blank = 90 % Tin / 10 % Lead-plated (Standard)

Consult factory for other available options.

### Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	101
200	201
500	501
<b>1,000</b>	<b>102</b>
<b>2,000</b>	<b>202</b>
<b>5,000</b>	<b>502</b>
<b>10,000</b>	<b>103</b>
<b>20,000</b>	<b>203</b>
25,000	253
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105
2,000,000	205

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



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

TOLERANCES: ±  $\frac{.025}{(.010)}$  EXCEPT WHERE NOTED

REV. 06/24

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

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