

## 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.

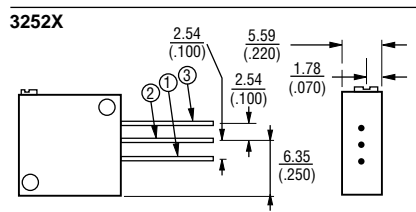
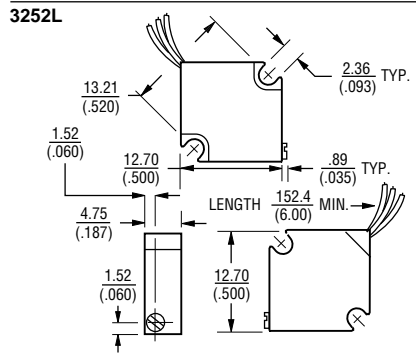
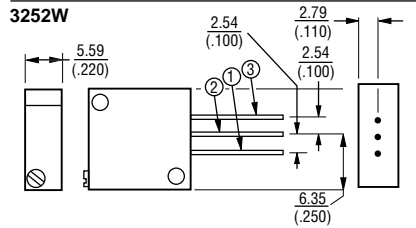
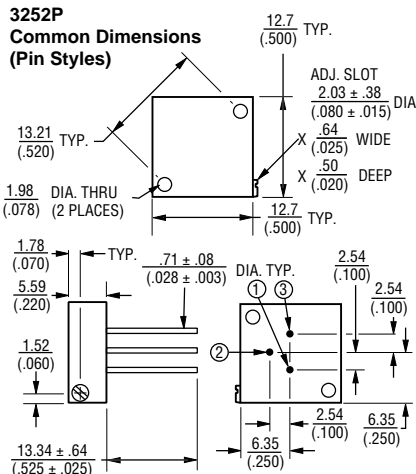
### Environmental Characteristics

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:



### How To Order

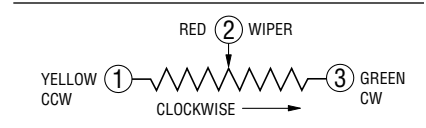
Model **3252 L - 1 - 103 M LF**  
 Style \_\_\_\_\_  
 Standard or Modified \_\_\_\_\_  
 Product Indicator  
 -1 = Standard Product  
 Resistance Code \_\_\_\_\_  
 Optional Suffix Letter  
 M = Panel Mount  
 (Factory Installed)  
 Terminations \_\_\_\_\_  
 LF = 100 % Tin-plated (RoHS compliant) 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