

## 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 Fluorinert†
	(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)

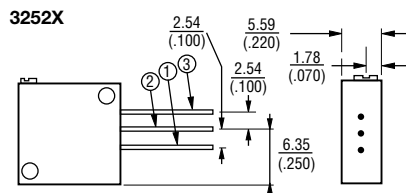
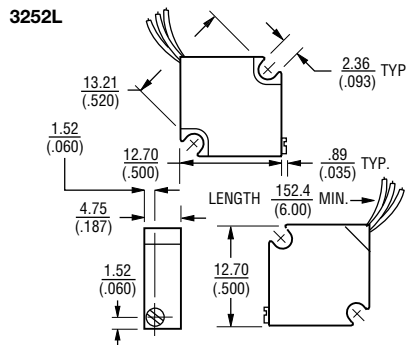
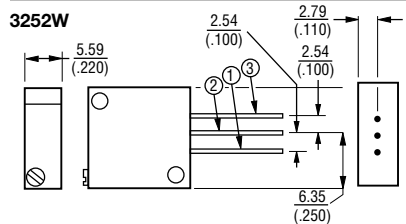
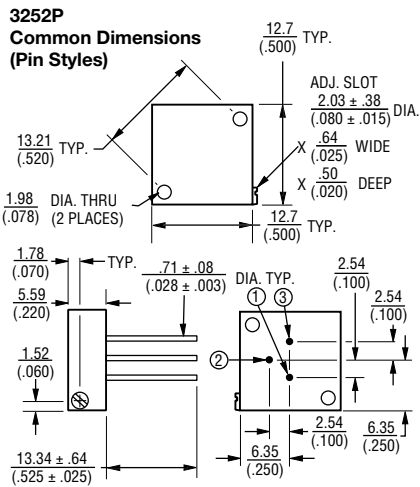
## Physical Characteristics

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



**WARNING**  
Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Product Dimensions



REV. 04/14

"Trimpot" is a registered trademark of Bourns, Inc.  
 †"Fluorinert" is a registered trademark of 3M Co.

\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.  
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## How To Order

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

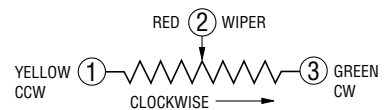
Model	3252
Style	L - 1
Standard or Modified	
Product Indicator	- 103
	- 1 = Standard Product
Resistance Code	M
Optional Suffix Letter	LF
	M = Panel Mount
	(Factory Installed)
Terminations	
	LF = 100 % Tin-plated (RoHS compliant)
	Blank = 90 % Tin / 10 % Lead-plated
	(Standard)

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

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