

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.

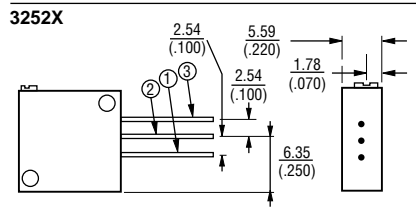
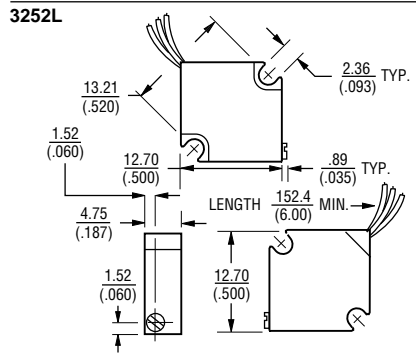
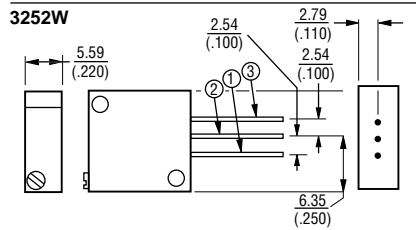
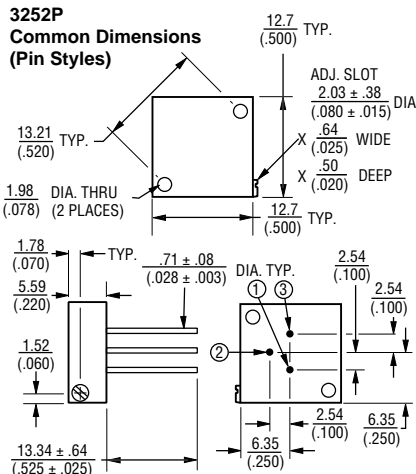
Environmental Characteristics

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

3252 L - 1 - 103 M LF

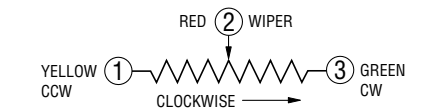
Model _____
 Style _____
 Standard or Modified _____
 Product Indicator
 -1 = Standard Product
 Resistance Code _____
 Optional Suffix Letter
 M = Panel Mount
 (Factory Installed)
 Terminations _____
 LF = 100 % Tin-plated (RoHS compliant)
 Blank = 90 % Tin / 10 % Lead-plated
 (Standard)

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 |
| 1,000 | 102 |
| 2,000 | 202 |
| 5,000 | 502 |
| 10,000 | 103 |
| 20,000 | 203 |
| 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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WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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