

### **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**

| Adjustability         |                   |
|-----------------------|-------------------|
| Voltage               | ±0.01 %           |
| Resistance            | ±0.05 %           |
| Resolution            | Infinite          |
| Insulation Resistance | e500 vdc.         |
| 1                     | ,000 megohms min. |
| Dielectric Strength   | · <del>-</del>    |
| Sea Level             | 1 000 vac         |

80,000 Feet ...... 400 vac

Effective Travel ......25 turns nom.

## **Environmental Characteristics**

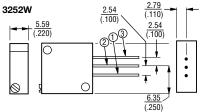
Power Rating @ 85 °C (400 volts max.) ......0.75 watt Power Rating @ 150 °C .....0 watt Temperature Range ... -65 °C to +150 °C Temperature Coefficient ... ±100 ppm/°C Seal Test .....85 °C Fluorinert† (pin styles only) Humidity ..... MIL-STD-202 Method 103; 96 hours (1 %  $\Delta$ TR; 100 Megohms IR) 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 %  $\Delta$ TR; 3 % or 3 ohms, whichever is greater, CRV) Rotational Life ......200 cycles (2 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

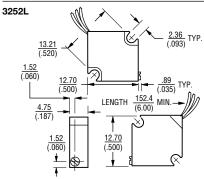
## **Physical Characteristics**

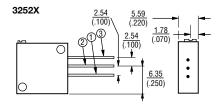
Torque......5.0 oz-in. max.

| Standard Packaging | •                |
|--------------------|------------------|
| X, P&W Styles      | 25 pcs. per tube |
| L Style            |                  |
| Adjustment Tool    | H-9Ŏ             |

# **Product Dimensions** 3252P **Common Dimensions** (Pin Styles) ADJ SLOT $\frac{2.03 \pm .38}{(.080 \pm .015)}$ DIA. .64 (.025) WIDE 13.21 (520) TYP. DIA THRU (.070)DIA. TYP $(.028 \pm .003)$ 5.59 (.220) 1 3 2.54 (.100) 0 2.54 (.100) $(.525 \pm .025)$







# How To Order 3252 L - 1 - 103 M LF Model Style Standard or Modified Product Indicator -1 = Standard Product Resistance Code

Terminations

Optional Suffix Letter

M = Panel Mount

(Factory Installed)

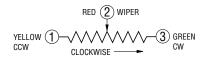
LF = 100 % Tin-plated (RoHS compliant) Blank = 90 % Tin / 10 % Lead-plated (Standard)

Consult factory for other available options.

### **Standard Resistance Table**

| Resistance<br>(Ohms) | Resistance<br>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:  $\pm \frac{0.25}{(.010)}$  EXCEPT WHERE NOTED

## REV. 04/14

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\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at <a href="https://www.bourns.com/docs/legal/disclaimer.pdf">www.bourns.com/docs/legal/disclaimer.pdf</a>.



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