

## **Features**

- Multiturn/ Wirewound / Industrial / Sealed
- Listed on the QPL for style RT24 per MIL-R-27208 and RTR24 per High-Rel MIL-R-39015
- Panel mount option available
- RoHS compliant\*

■ For trimmer applications/processing guidelines, click here

# 3290 - 3/8 "Square Trimpot® Trimming Potentiometer

#### **Electrical Characteristics**

Standard Resistance Range ..... 10 to 50K ohms (see standard resistance table) Resistance Tolerance ..... ±5 % std. (tighter tolerance available) Absolute Minimum Resistance ......0.1 % or 1 ohm max. (whichever is greater) Noise .....100 ohms ENR max. Resolution .....(see standard resistance table) Insulation Resistance ......500 vdc. 1,000 megohms min.

Sea Level...... 1,000 vac

80,000 Feet ...... 350 vac

Adjustment Travel......25 turns nom.

# **Environmental Characteristics**

Dielectric Strength

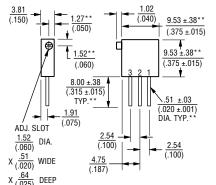
Power Rating @ 85 °C.....1.0 watt Power Rating @ 150 °C ...... 0 watt Temperature Range ... -65 °C to +150 °C Temperature Coefficient ..... ±50 ppm/°C Seal Test ......85 °C Fluorinert† Humidity ......MIL-STD-202 Method 106 96 hours (2 %  $\Delta$ TR; 100 Megohms IR) Vibration ......30 G (1 % ΔTR; 0.5 % + resolution ΔVR) Shock ...... 100 G (1 %  $\Delta$ TR; 0.5 % + resolution  $\Delta$ VR) Load Life ..1,000 hours 1.0 watt @ 85 °C (2 %  $\Delta$ TR; 500 ohms ENR) Rotational Life ......200 cycles (2 % ΔTR; 500 ohms ENR)

### **Physical Characteristics**

Torque5.0 oz-in. max.
Mechanical StopsWiper idles
Terminals Solderable printed circuit pins
Weight 0.025 oz.
MarkingManufacturer's trademark,
resistance code, wiring diagram,
date code, manufacturer's model
number and style
Wiper 50 % (Actual TR) $\pm 10$ %
FlammabilityU.L. 94V-0
Standard Packaging50 pcs. per tube
Adjustment ToolH-90

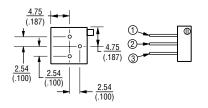
#### **Product Dimensions**

#### 3290H **Common Dimensions**

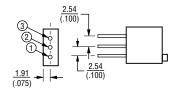


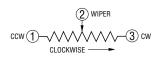
\*\*Common dimensions

### 3290P



## 3290W





MM DIMENSIONS: (INCHES) EXCEPT WHERE NOTED TOLERANCES: ± (.010)

# **How To Order** 3290 H - 1 - 103 M Model Style Standard or Modified Product Indicator -1 = Standard Product Resistance Code -Optional Suffix Letter M = Panel Mount

Consult factory for other available options.

(Factory Installed)

### **Standard Resistance Table**

Resistance (Ohms)	Resistance Code	Nominal Resolution (Percent)
10	100	1.11
20	200	0.93
50	500	0.62
100	101	0.60
200	201	0.54
500	501	0.42
1,000	102	0.33
2,000	202	0.26
5,000	502	0.20
10,000	103	0.17
20,000	203	0.14
25,000	253	0.13
50,000	503	0.11

Popular values listed in boldface. Special resistances available.



<sup>\*</sup>RoHS Directive 2015/863, Mar. 31, 2015 and Annex

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<sup>&</sup>quot;Trimpot" is a trademark of Bourns, Inc.

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