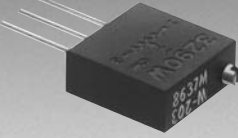


\*RoHS COMPLIANT



**BOURNS®**

## 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\*

## 3290 - 3/8" Square 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.
Dielectric Strength	
Sea Level	1,000 vac
80,000 Feet	350 vac
Adjustment Travel	25 turns nom.

### Environmental Characteristics

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 % ΔTR; 100 Megohms IR)
Vibration	30 G
	(1 % ΔTR; 0.5 % + resolution ΔVR)
Shock	100 G
	(1 % ΔTR; 0.5 % + resolution ΔVR)
Load Life	1,000 hours 1.0 watt @ 85 °C
	(2 % ΔTR; 500 ohms ENR)
Rotational Life	200 cycles
	(2 % ΔTR; 500 ohms ENR)

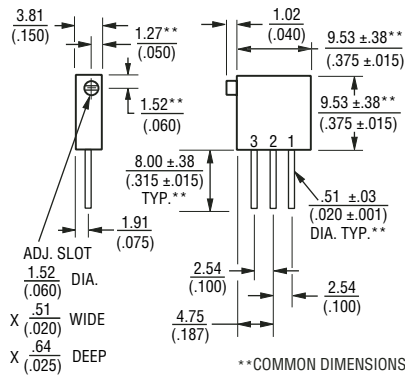
### Physical Characteristics

Torque	5.0 oz-in. max.
Mechanical Stops	Wiper idles
Terminals	Solderable printed circuit pins
Weight	0.025 oz.
Marking	Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
Wiper	50 % (Actual TR) ±10 %
Flammability	U.L. 94V-0
Standard Packaging	50 pcs. per tube
Adjustment Tool	H-90

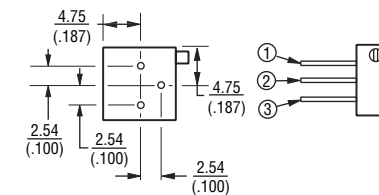
### Product Dimensions

#### 3290H

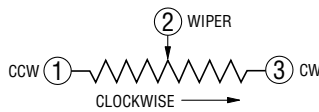
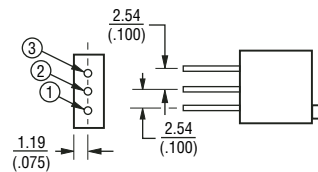
#### Common Dimensions



#### 3290P



#### 3290W



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE:  $\frac{\text{MM}}{\text{(INCHES)}}$

### How to Order

**3290 H - 1 - 103 M**

Model	3290 H - 1 - 103 M
Style	
Standard or Modified Product Indicator	
-1 = Standard Product	
Resistance Code	
Optional Suffix Letter	
M = Panel Mount	
(Factory Installed)	

Consult factory for other available options.

### 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
<b>1,000</b>	<b>102</b>	<b>0.33</b>
<b>2,000</b>	<b>202</b>	<b>0.26</b>
<b>5,000</b>	<b>502</b>	<b>0.20</b>
<b>10,000</b>	<b>103</b>	<b>0.17</b>
<b>20,000</b>	<b>203</b>	<b>0.14</b>
25,000	253	0.13
50,000	503	0.11

Popular values listed in boldface. Special resistances available.

\*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

†"Fluorinert" is a registered trademark of 3M Co.

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.