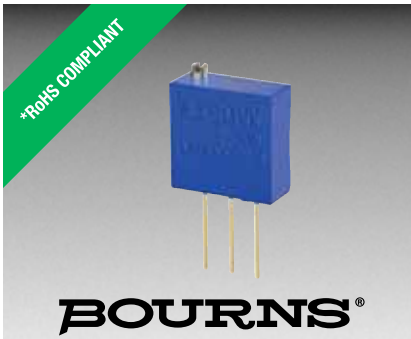




THE DATASHEET OF
3290W-1-203





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.
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
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)

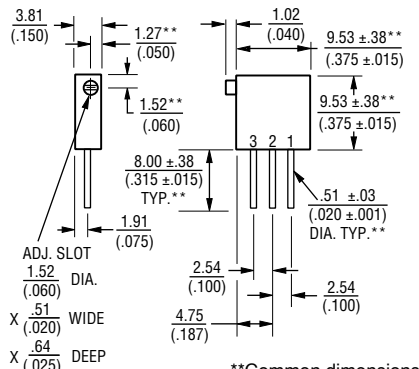
Physical Characteristics

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

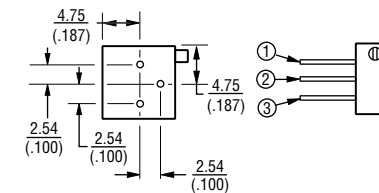
3290H

Common Dimensions

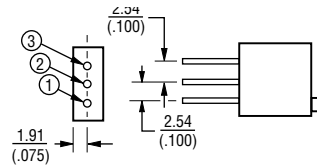


**Common dimensions

3290P

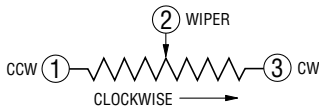


3290W



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

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



Additional Information

Click these links for more information:



[PRODUCT SELECTOR](#) [TECHNICAL LIBRARY](#) [INVENTORY](#) [SAMPLES](#) [CONTACT](#)

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
 (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
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.

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www.bourns.com

REV. 06/24

*RoHS Directive 2015/863, Mar. 31, 2015 and Annex

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WARNING Cancer and Reproductive Harm
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