

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 (see page 73 for details)

3290/RT24/RTR24 - 3/8" Square Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range	
3290	10 to 50K ohms
RT24	10 to 10K ohms
RTR24	500 to 10K 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 Travel25 turns nom.

Environmental Characteristics

Power Rating @ 85°C	
3290	1.0 watt
RT24/RTR24	0.75 watt
Power Rating @ 150°C	
	0 watt
Temperature Range	
	-65°C to +150°C
Temperature Coefficient	
	±50ppm/°C
Seal Test	
	85°C Fluorinert*
Humidity	
3290	MIL-STD-202 Method 106
	96 hours (2% ΔTR; 100 Megohms IR)
RT24	(1% ΔTR; 10 Megohms IR)
RTR24	(1% ΔTR; 100 Megohms IR)
Vibration	
3290	30G
	(1% ΔTR; 0.5% + resolution ΔVR)
RT24/RTR24	20G
	(1% ΔTR; 0.5% + resolution ΔVR)
Shock	
	100G
	(1% ΔTR; 0.5% + resolution ΔVR)
Load Life	
3290	1,000 hours 1.0 watt @ 85°C
	(2% ΔTR; 500 ohms ENR)
RT24	1,000 hours 0.75 watt @ 85°C
	(2% ΔTR; 2% + resolution ΔVR)
RTR24	10,000 hours 0.75 watt @ 85°C
	(3% + resolution ΔVR)
Rotational Life	
	200 cycles
3290	(2% ΔTR; 500 ohms ENR)
RT24/RTR24	(2% ΔTR)

Physical Characteristics

Torque	5.0 oz-in. max.
Mechanical Stops	
	Wiper idles
Terminals	
3290	Solderable printed circuit pins
RT24/RTR24	MIL-STD-202; Method 208
Weight	0.025 oz.

Physical Characteristics (cont.)

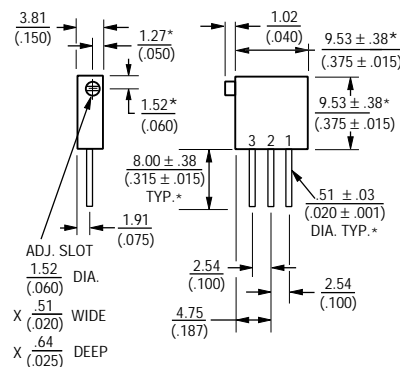
Marking	
3290	Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
RT24/RTR24	Mil-spec part number
Wiper	Positioned at 50% nominal
Flammability	U.L. 94V-0
Standard Packaging	50 pcs. per tube
Adjustment Tool	H-90

How to Order

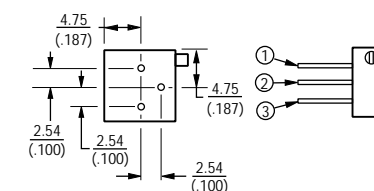
3290 H - 1 - 103 M	
Model	_____
Style	_____
Standard or Modified Product Indicator	_____
	-1 = Standard Product
Resistance Code	_____
Optional Suffix Letter	_____
	M = Panel Mount (Factory Installed)

See page 81 for RT24/RTR24 ordering information.
Consult factory for other available options.

3290H/RT24X/RTR24X Common Dimensions

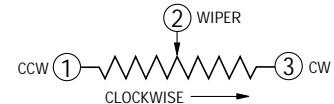
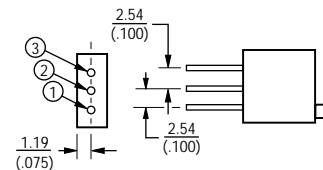


3290P/RT24/RTR24



*Common dimensions

3290W/RT24/RTR24



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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

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.

SHADED AREAS TYPICALLY NOT STOCKED BY DISTRIBUTORS AND NOT RECOMMENDED FOR NEW DESIGNS.