

Features

- Multiturn / Wirewound / Industrial / Sealed
- Listed on the QPL per MIL-PRF-27208 and High-Rel MIL-PRF-39015
- Panel mount option available
- For trimmer applications/processing guidelines, [click here](#)

RT24/RTR24 - 3/8 " Square Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
 RT24 10 to 10K ohms
 RTR24 500 to 10K ohms
 (see standard resistance table)
 Resistance Tolerance $\pm 5\%$ std.
 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.

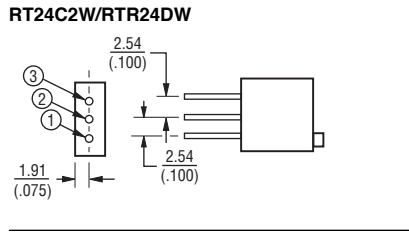
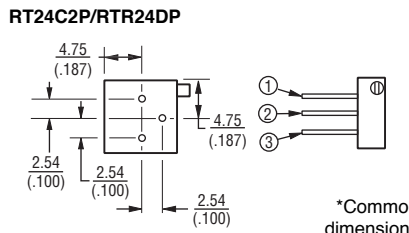
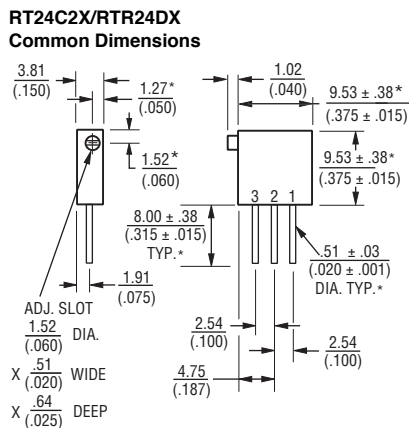
Environmental Characteristics

Power Rating @ 85 °C 0.75 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
 RT24 (1 % Δ TR; 10 Megohms IR)
 RTR24 (1 % Δ TR; 100 Megohms IR)
 Vibration 20G
 (1 % Δ TR; 0.5 % + resolution Δ V/R)
 Shock 100G
 (1 % Δ TR; 0.5 % + resolution Δ V/R)
 Load Life
 RT24 .1,000 hours 0.75 watt @ 85 °C
 (2 % Δ TR; 2 % + resolution Δ V/R)
 RTR24 10,000 hours 0.75 watt
 @ 85 °C
 (3 % + resolution Δ V/R)
 Rotational Life 200 cycles
 (2 % Δ TR)

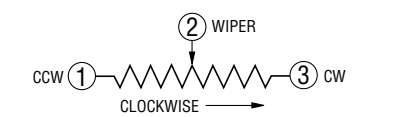
Physical Characteristics

Torque 5.0 oz-in. max.
 Mechanical Stops Wiper idles
 Terminals MIL-STD-202; Method 208
 Weight 0.025 oz.
 Marking Mil-spec part number
 Wiper 50 % (Actual TR) $\pm 10\%$
 Flammability U.L. 94V-0
 Standard Packaging 50 pcs. per tube
 Adjustment Tool H-90

Product Dimensions



DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$
 TOLERANCES: $\pm \frac{0.25}{(.010)}$ EXCEPT WHERE NOTED



How To Order

MIL-PRF-27208 RT24 C2 P 501
 Model _____
 Characteristic _____
 C = ± 50 ppm/°C Temp. Coeff. Max.
 2 = 85 °C Rating Temp.
 150 °C Max. Operating Temp.
 Terminal Style _____
 Resistance Code _____

How To Order

MIL-PRF-39015 RTR24 D P 202 M
 Model _____
 Characteristic _____
 D = ± 50 ppm/°C Temp. Coeff. Max.
 Terminal Style _____
 Resistance Code _____
 Failure Rate _____
 M = 1.0 %

RT24 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

RTR24 Standard Resistance Table

Resistance (Ohms)	Resistance Code	Nominal Resolution (Percent)
500	501	0.60
1,000	102	0.40
2,000	202	0.30
5,000	502	0.25
10,000	103	0.19



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

REV. 04/14
 *RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
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