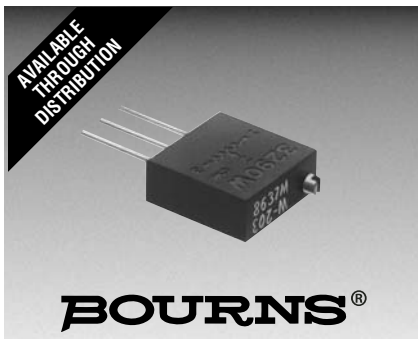




Features

- Multiturn/ Wirewound / Industrial / Sealed
- [Listed on the QPL](#) per MIL-PRF-27208 and High-Rel MIL-PRF-39015
- [Panel mount option](#) available



Models RT24 & RTR24 are currently available, although not recommended for new designs.

RT24/RTR24 - 3/8" Square Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
 RT2410 to 10K ohms
 RTR24500 to 10K ohms
 (see standard resistance table)
 Resistance Tolerance±5 % std.
 Absolute Minimum Resistance
0.1 % or 1 ohm max.
 (whichever is greater)
 Noise100 ohms ENR max.
 Resolution
(see standard resistance table)
 Insulation Resistance500 vdc.
 1,000 megohms min.
 Dielectric Strength
 Sea Level1,000 vac
 80,000 Feet350 vac
 Adjustment Travel25 turns nom.

Environmental Characteristics

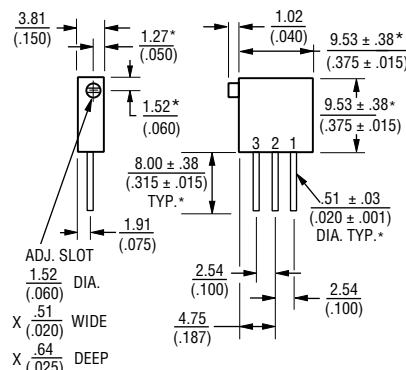
Power Rating @ 85 °C0.75 watt
 Power Rating @ 150 °C0 watt
 Temperature Range-65 °C to +150 °C
 Temperature Coefficient±50 ppm/°C
 Seal Test85 °C Fluorinert*
 Humidity
 RT24(1 % ΔTR; 10 Megohms IR)
 RTR24(1 % ΔTR; 100 Megohms IR)
 Vibration20G
 (1 % ΔTR; 0.5 % + resolution ΔVR)
 Shock100G
 (1 % ΔTR; 0.5 % + resolution ΔVR)
 Load Life
 RT241,000 hours 0.75 watt @ 85 °C
 (2 % ΔTR; 2 % + resolution ΔVR)
 RTR2410,000 hours 0.75 watt @ 85 °C
 (3 % + resolution ΔVR)
 Rotational Life200 cycles
 (2 % ΔTR)

Physical Characteristics

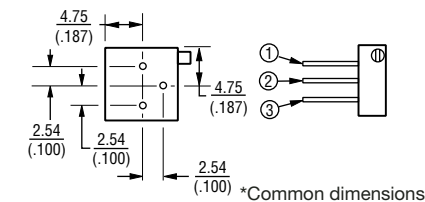
Torque5.0 oz-in. max.
 Mechanical StopsWiper idles
 TerminalsMIL-STD-202; Method 208
 Weight0.025 oz.
 MarkingMil-spec part number
 Wiper50 % (Actual TR) ±10 %
 FlammabilityU.L. 94V-0
 Standard Packaging50 pcs. per tube
 Adjustment ToolH-90

Product Dimensions

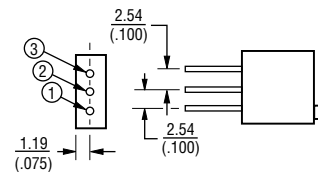
RT24C2X/RTR24DX Common Dimensions



RT24C2P/RTR24DP

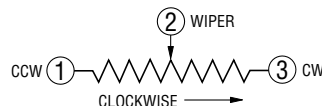


RT24C2W/RTR24DW



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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



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 = ±50ppm/°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	0.42
1,000	102	0.33
2,000	202	0.26
5,000	502	0.20
10,000	103	0.17