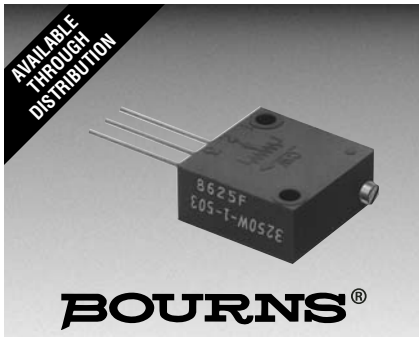




Features

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



Models RT22 & RTR22 are currently available, although not recommended for new designs.

RT22/RTR22 - 1/2 " Square Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
 RT2250 to 20K ohms
 RTR22500 to 20K 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.
 ResolutionSee Resistance Table
 Insulation Resistance500 vdc.
1,000 megohms min.
 Dielectric Strength
 Sea Level1,000 vac
 80,000 Feet400 vac
 Adjustment Travel25 turns nom.

Environmental Characteristics

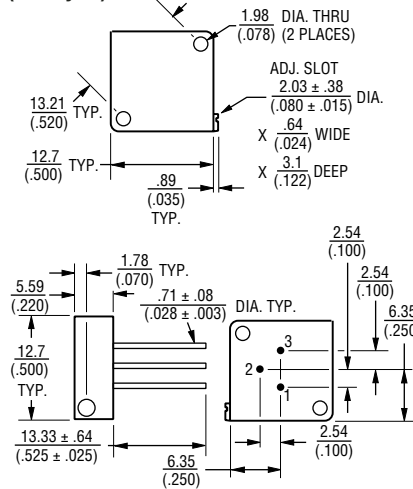
Power Rating @ 85 °C0.75 watt
 Power Rating @ 150 °C0 watt
 Temperature Range-65 °C to +150 °C
 Temperature Coefficient±50 ppm/°C
 Seal Test85 °C Fluorinert* (pin styles only)
 HumidityMIL-STD-202 Method 106
 RT22(1 % ΔTR; 10 Megohms IR)
 RTR22(1 % ΔTR; 100 Megohms IR)
 Vibration30 G
 (1 % ΔTR; 0.5 % + resolution ΔVR)
 Shock100 G
 (1 % ΔTR; 0.5 % + resolution ΔVR)
 Load Life
 RT221,000 hours 0.75 watt @ 85 °C
 (2 % ΔTR; 2 % + resolution ΔVR)
 RTR2210,000 hours 0.75 watt @ 85 °C
 (3 % ΔTR; 2 % + resolution ΔTR)
 Rotational Life200 cycles
 (2 % ΔTR)

Physical Characteristics

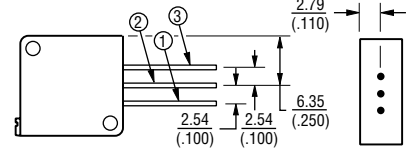
Torque5.0 oz-in. max.
 Mechanical StopsWiper idles
 Terminals
Flexible leads (7 strands of 30 AWG)
 MIL-STD-202; Method 208
 Weight0.06 oz.
 Machine Screw Mounting
 Torque12 oz-in. max.
 MarkingMil-spec part number
 Wiper50 % (Actual TR) ±10 %
 FlammabilityU.L. 94V-0
 Standard Packaging
 P, W & X Styles25 pcs. per tube
 L Style25 pcs. per bag
 Adjustment ToolH-90

Product Dimensions

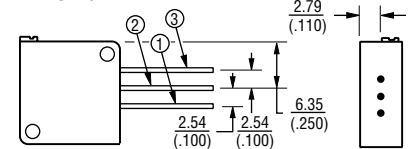
RT22C2P/RTR22DP Common Dimensions (Pin Styles)



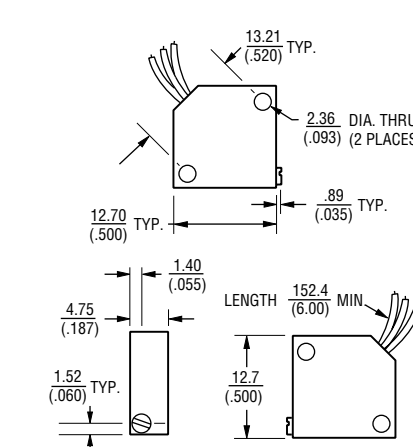
RT22C2W/RTR22DW



RT22C2X/RTR22DX



RT22C2L/RTR22DL



How To Order

MIL-PRF-27208 RT22 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 RTR22 D P 501 M

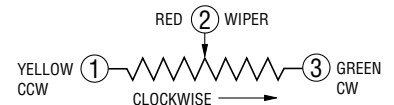
Model
 Characteristic
 D = ±50 ppm/°C Temp. Coeff. Max.
 Terminal Style
 Resistance Code
 Failure Rate
 M = 1.0 %

RT22 Standard Resistance Table

Resistance (Ohms)	Resistance Code	Nominal Resolution (Percent)
50	500	0.80
100	101	0.90
200	201	0.70
500	501	0.60
1,000	102	0.40
2,000	202	0.30
5,000	502	0.25
10,000	103	0.19
20,000	203	0.16

RTR22 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
20,000	203	0.16



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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