

Features

- Multiturn / Wirewound / Sealed
- Listed on the QPL per MIL-PRF-27208 and High-Rel MIL-PRF-39015
- Panel Mount option available
- For trimmer applications/processing quidelines, click here

RT22/RTR22 - 1/2 " Square Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Ran	ige
RT225	50 to 20K ohms
RTR2250	00 to 20K ohms
(see standard re	esistance table)
Resistance Tolerance	±5 % std.
Absolute Minimum Resist	ance

	0.1 % or 1 ohm max
	(whichever is greater)
Noise	100 ohms ENR max
Resolution	See Resistance Table
Insulation Resistar	nce 500 vdc
	1,000 megohms min

•
1,000 vac
400 vac
25 turns nom.

Environmental Characteristics

Power Rating @ 85 °C 0.75 watt Power Rating @ 150 °C 0 watt
Temperature Range65 °C to +150 °C
Temperature Coefficient±50 ppm/°C
Seal Test
(pin styles only) Humidity MIL-STD-202 Method 106
RT22(1 % ΔTR; 10 Megohms IR)
RTR22(1 % ΔTR; 100 Megohms IR)
Vibration
(1 % ΔTR; 0.5 % + resolution ΔVR)
Shock
(1 % Δ TR; 0.5 % + resolution Δ VR) Load Life
RT22 .1,000 hours 0.75 watt @ 85 °C
$(2 \% \Delta TR; 2 \% + resolution \Delta VR)$
RTR2210,000 hours 0.75 watti
@ 85 °C

Physical Characteristics

Torque	5.0 oz-in. max.
Mechanical Stops	
Terminals	·
. Flexible leads (7	strands of 30 AWG)

(3 % Δ TR; 2 % + resolution Δ TR) Rotational Life.....200 cycles

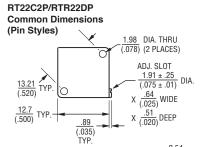
(2 % ΔTR)

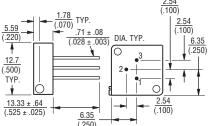
MIL-STD-202; Method 208 Weight 0.06 oz. Machine Screw Mounting Torque 12 oz-in. max. Marking..... Mil-spec part number

Wiper 50 % (Actual TR) ±10 % FlammabilityU.L. 94V-0 Standard Packaging

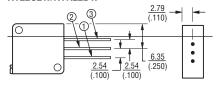
P, W & X Styles	25 pcs. per tube
L Style	25 pcs. per bag
Adjustment Tool	H-90

Product Dimensions



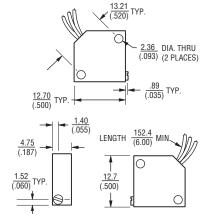


RT22C2W/RTR22DW



RT22C2X/RTR22DX 2.54 (.100)

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 RTR22 D P 501 M MIL-PRF-39015 Model -Characteristic -D = ±50 ppm/°C Temp. Coeff. Max.

Terminal Style

Failure Rate M = 1.0 %

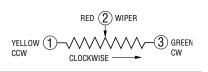
Resistance Code

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 20,000	103 203	0.23 0.19 0.16



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



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RT22C2W203 RT22C2P101 RT22C2W101 RT22C2X102 RTR22DL501M RTR22DP102M RTR22DP103M
RTR22DP202M RTR22DP501M RTR22DP502M RTR22DW102M RTR22DW103M RTR22DW202M
RTR22DW203M RTR22DW501M RTR22DW502M RTR22DX102M RTR22DX103M RTR22DX202M
RTR22DX203M RTR22DX501M RT22C2W502 RT22C2W103 RT22C2X202 RT22C2P500 RT22C2X500
RTR22DL203MM RT22C2L501M RT22C2L103 RTR22DP203M RT22C2L201 RTR22DX502M RTR22DL202M
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RT22C2W103M RT22C2P103 RT22C2X203 RT22C2P202 RT22C2L202 RT22C2W201 RT22C2P501 RT22C2W202
RT22C2W501 RT22C2L501 RT22C2X103 RT22C2W500 RT22C2X502 RT22C2X501