

Features

- Multiturn / Wirewound / Industrial / Sealed
- <u>Listed on the QPL</u> per MIL-PRF-27208 and High-Rel MIL-PRF-39015
- Panel mount option available
- For trimmer applications/processing guidelines, <u>click here</u>

RT24/RTR24 – 3/8 "Square Trimpot® 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 Resistance 500 VDC
1,000 megohms min.
Dielectric Strength
Sea Level1,000 VAC
80,000 Feet350 VAC
Adjustment Travel25 turns nom.

Environmental Characteristics

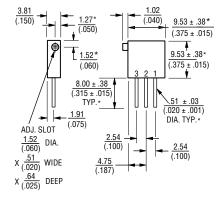
Environmental Characteristics
Power Rating @ 85 °C 0.75 watt Power Rating @ 150 °C 0 watt Temperature Range65 °C to +150 °C Temperature Coefficient±50 PPM/°C Seal Test
RT24(1 % ΔTR; 10 Megohms IR)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
(1 % Δ TR; 0.5 % + resolution Δ VR) Load Life
RT24 1,000 hours 0.75 watt @ 85 °C (2 % Δ TR; 2 % + resolution Δ VR) RTR24

Physical Characteristics

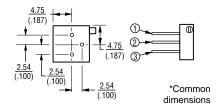
Torque	5.0 oz-in. max.
Mechanical Stops	Wiper idles
Terminals MIL-ST	D-202; Method 208
Weight	0.025 oz.
MarkingM	il-spec part number
Wiper 50 %	(Actual TR) ±10 %
Flammability	
Standard Packaging.	
Adjustment Tool	H-90

Product Dimensions

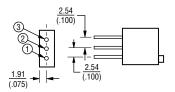
RT24C2X/RTR24DX Common Dimensions



RT24C2P/RTR24DP



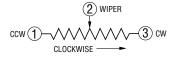
RT24C2W/RTR24DW



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

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

Schematic



Additional Information

Click these links for more information:











PRODUCT SELECTOR

LIBRARY

SAMPLES

CONTACT

How To Order

11011 10 01401	
MIL-PRF-27208	RT24 C2 P 501
Model -	
Characteristic ————————————————————————————————————	emp. Coeff. Max.
2 = 85 °C Rating Tel 150 °C Max. Op	
Terminal Style ———	
Resistance Code	

How To Order

MIL-PRF-39015	RTR24 D P 202 N
Model ———	
Characteristic ————————————————————————————————————	
Terminal Style	
Resistance Code	
Failure Rate	

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

REV. 08/24

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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^{*}RoHS Directive 2015/863, Mar 31, 2015 and Annex.

[&]quot;Trimpot" is a registered trademark of Bourns, Inc.

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 RT24C2P100
 RT24C2P201
 RT24C2W100
 RTR24DP102M
 RTR24DP103M
 RTR24DP202M
 RTR24DP501M

 RTR24DP502M
 RTR24DW102M
 RTR24DW103M
 RTR24DW202M
 RTR24DW501M
 RTR24DW502M

 RTR24DX102M
 RTR24DX103M
 RTR24DX202M
 RTR24DX501M
 RTR24DX502M
 RT24C2W500
 RT24C2P200

 RT24C2W103M
 RT24C2X200M
 RT24C2X100
 RTR24DW102MM
 RT24C2W200
 RT24C2W201
 RT24C2P500

 RT24C2P502
 RT24C2W103
 RT24C2W102
 RT24C2P101
 RT24C2X200
 RT24C2X500
 RT24C2P501
 RT24C2P103

 RT24C2X101
 RT24C2X202
 RT24C2X102
 RT24C2W501
 RT24C2X502
 RT24C2X501
 RT24C2P102

 RT24C2W101
 RT24C2W502
 RT24C2X103
 RTR24DW103MM
 RTR24DW200M