

Features

- Multiturn / Cermet / Industrial / Sealed
- Standoffs
- Listed on the QPL per MIL-PRF-22097 and High-Rel MIL-PRF-39035
- For trimmer applications/processing guidelines, click here

RJ24/RJR24 - 3/8 "Square Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 ohms to 1 megohm (see standard resistance table) Resistance Tolerance±10 % std. Absolute Minimum Resistance RJ24.....2 % or 20 ohms max. (whichever is greater) RJR242 % or 2 ohms max. (whichever is greater) Contact Resistance Variation

......3.0 % or 3 ohms max. (whichever is greater) Adjustability

Voltage±0.01 % Resistance±0.05 % Resolution......Infinite Insulation Resistance500 vDC 1,000 megohms min.

Dielectric Strength Sea Level1,000 VAC 80,000 Feet......400 VAC Effective Travel25 turns nom.

Environmental Characteristics

Power Rating (300 volts max.) 85 °C 0.5 watt 150 °C 0 watt Temperature Range -55 °C to +150 °C Temperature Coefficient±100 PPM/°C Seal Test......85 °C Fluorinert* Humidity...... MIL-STD-202 Method 106 RJ24.....96 hours (1 % ΔTR, 10 Megohms IR) RJR2496 hours (1 % Δ TR, 100 Megohms IR) Vibration 20 G (1 % ΔTR; 1 % ΔVR) Shock......100 G (1 % ΔTR; 1 % ΔVR) Load Life RJ24.... 1,000 hours 0.5 watt @ 85 °C (2 % ΔTR; 10% ΔVR)

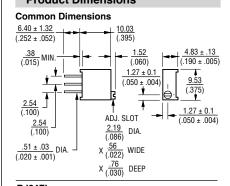
RJR24 ... 10,000 hours 0.5 watt @ 85 °C (3 % Δ TR)

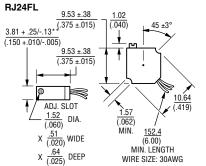
Rotational Life...... 200 cycles (2 % Δ TR)

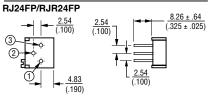
Physical Characteristics

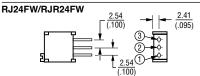
Physical Characteristics		
Torque	5.0 oz-in. max.	
Mechanical Stops	Wiper idles	
TerminalsMil-S	d 202, Method 208	
Weight		
Marking Mi		
	date code	
Wiper50 %		
Flammability	U.L. 94V-0	
Standard Packaging		
Adjustment Tool	H-90	

Product Dimensions

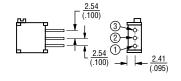








RJ24FX/RJR24FX



DIMENSIONS: (INCHES)

EXCEPT WHERE NOTED TOLERANCES: ±

Additional Information

Click these links for more information:







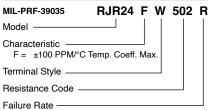




How To Order

MIL-PRF-22097	RJ24 F L 202
Model —	
Characteristic ————————————————————————————————————	mp. Coeff. Max.
Terminal Style ———	
Resistance Code ——	

How To Order

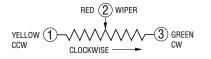


M = 1.0 %P = 0.1 % B = 0.01 %

Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
25,000	253
50,000 100.000	503 104
200.000	204
250,000	254
500.000	504
1.000.000	105
1,000,000	.00

Schematic



REV. 02/24

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