

#### **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 Range ......10 ohms to 1 megohm (see standard resistance table) Resistance Tolerance .....±10 % std. Absolute Minimum Resistance RJ24.....2 % or 20 ohms max. (whichever is greater) RJR24 ......2 % 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 Resistance ...... 500 VDC 1,000 megohms min.

Dielectric Strength

Sea Level ......1,000 VAC 80,000 Feet......400 VAC Effective Travel......25 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 Humidity...... MIL-STD-202 Method 106 RJ24.....96 hours (1 %  $\Delta$ TR, 10 Megohms IR) RJR24 ......96 hours

(1 %  $\Delta$ 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 %  $\Delta$ TR)

#### Rotational Life...... 200 cycles (2 % $\Delta TR$ )

### Physical Characteristics

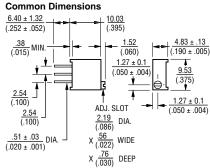
Filysical Characteristics
Torque 5.0 oz-in. max
Mechanical StopsWiper idles
TerminalsMil-Std 202, Method 208
Weight0.025 oz.
Marking Mil-spec part number
date code
Wiper 50 % (Actual TR) ±10 %
FlammabilityU.L. 94V-0
Standard Packaging 50 pcs. per tube

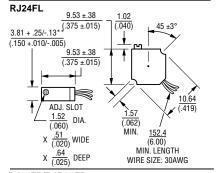
Adjustment Tool......H-90

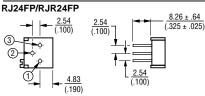
**WARNING Cancer** 

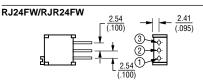
and Reproductive Harm www.P65Warnings.ca.gov

# **Product Dimensions**

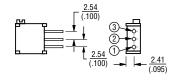








#### RJ24FX/RJR24FX



DIMENSIONS: (INCHES)

EXCEPT WHERE NOTED TOLERANCES: ±

#### **Additional Information**

Click these links for more information:









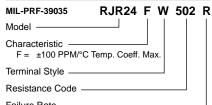


INVENTORY SAMPLES

How To Order	
MIL-PRF-22097	RJ24 F L 202
Model —	
Characteristic F = ±100 PPM/°C Temp	D. Coeff. Max.
Terminal Style —	

#### **How To Order**

Resistance Code -

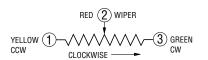


Failure Rate M = 1.0 %P = 0.1 % R = 0.01 %

#### 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	503
100,000	104
200,000	204
250,000	254
500,000	504
1,000,000	105

#### **Schematic**



REV. 02/24

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