

Features

- Multiturn / Cermet / Sealed
- Listed on the QPL per MIL-PRF-22097
- Panel mount option available
- For trimmer applications/processing guidelines, click here

RJ22 - 1/2 " Square Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range 10 ohms to 1 megohm (see standard resistance table) Resistance Tolerance±10 % std. Absolute Minimum Resistance1 ohm max. Contact Resistance Variation2 % or 2 ohms max. (whichever is greater) Adjustability Voltage±0.01 % Resistance±0.05 % Resolution...... Infinite Insulation Resistance 500 vdc. 1,000 megohms min

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Dielectric Strength	
Sea Level	1,000 vac
80,000 Feet	400 vac
Effective Travel	25 turns nom.

Environmental Characteristics

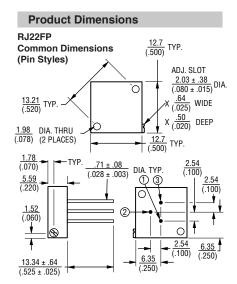
Power Rating @ 85 °C (400 volts max.) 0.50 watt Power Rating @ 150 °C 0 watt Temperature Range....-65 °C to +150 °C Temperature Coefficient ±100 ppm/°C Seal Test......85 °C Fluorinert* (pin styles only) Humidity MIL-STD-202 Method 106 (1 % Δ TR; 10 Megohms IR)

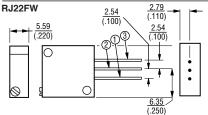
Vibration 20 G (1 % ΔTR; 1 % ΔVR) Shock.......... 100 G (1 % ΔTR; 1 % ΔVR) Load Life.1,000 hours 0.5 watt @ 85 °C (2 % ΔTR; 1 % ΔVR) Rotational Life......200 cycles

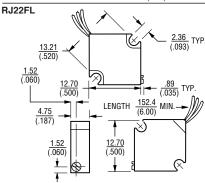
2 % ΔTR

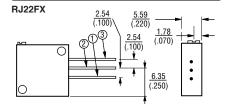
Physical Characteristics

Torque...... 5.0 oz-in. max. Mechanical Stops Wiper idles Terminals MIL-STD-202; Method 208 Flexible leads (7 strands of 30 AWG) Weight 0.065 oz. Wiper 50 % (Actual TR) ±10 % FlammabilityU.L. 94V-0 Machine Screw Mounting Torque...... 12 oz-in. max. Marking..... Mil-spec part number Standard Packaging X, P & W Styles...... 25 pcs. per tube L Style25 pcs. per bag Adjustment Tool H-90





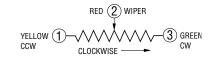




How To Order					
MIL-PRF-22097	RJ22 F	F	W	10	3
Model -					
Characteristic F = ±100 ppm/°C Temp. Coeff. Max.					
Terminal Style —					
Resistance Code ———					

Standard Resistance Table

Resistance	Resistance
(Ohms)	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
250,000	254
500,000	504
1,000,000	105



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



^{*}RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

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