

Features

- 1-1/4" Rectangular / Multiturn
Cermet / Industrial / Sealed
- Panel mount option available
- Listed on the QPL per MIL-PRF-22097
- For trimmer applications/processing guidelines, [click here](#)

RJ12 – Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
..... 10 ohms to 1 megohm
(see standard resistance table)
Resistance Tolerance ±10 % std.
Absolute Minimum Resistance
..... 1 % or 2 ohms max.
(whichever is greater)
Contact Resistance Variation
..... 1.0 % or 1 ohm 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 900 VAC
70,000 Feet 350 VAC
Effective Travel 22 turns nom.

Environmental Characteristics

Power Rating @ 70 °C (400 volts max.)
..... 1.0 watt
Power Rating @ 150 °C 0 watt
Temperature Range -55 °C to +150 °C
Temperature Coefficient ±100 PPM/°C
Seal Test 85 °C (pin styles only)
Humidity MIL-STD-202 Method 106
(2 % ΔTR, 10 Megohms IR)
Vibration 20 G (1 % ΔTR; 1 % ΔVR)
Shock 50 G (1 % ΔTR; 1 % ΔVR)
Load Life 1,000 hours 1.0 watt @ 70 °C
(3 % ΔTR; 1% or 1 ohms, whichever is greater, CRV)
Rotational Life 200 cycles
(2 % ΔTR; 1 % or 1 ohm, whichever is greater, CRV)

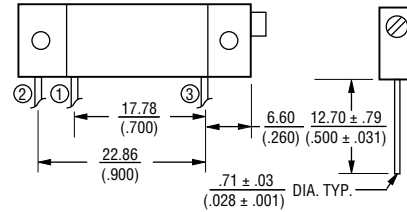
Physical Characteristics

Torque 5.0 oz-in. max.
Mechanical Stops Wiper idles
Terminals .. Solderable printed circuit pins
Flexible leads (7 strands of 30 AWG)
Weight 0.1 oz.
Marking Manufacturer's trademark,
resistance code, terminal numbers,
date code, manufacturer's model
number and style
Wiper 50 % (Actual TR) ±10 %
Flammability U.L. 94V-0
Standard Packaging 10 pcs. per tube
Adjustment Tool H-30

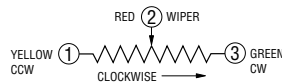
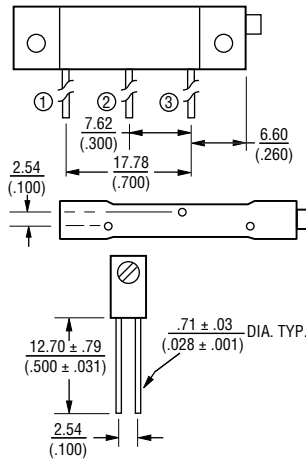
REV. 08/24

Product Dimensions

RJ12FP



RJ12FY



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

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

Additional Information

Click these links for more information:



[PRODUCT SELECTOR](#) [TECHNICAL LIBRARY](#) [INVENTORY](#) [SAMPLES](#) [CONTACT](#)

How To Order

MIL-PRF-22097 **RJ12 F Y 103**
Model _____
Characteristic _____
F = ±100 ppm/°C Temp. Coeff. Max.
Terminal Style _____
Resistance Code _____

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

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WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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

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Users should verify actual device performance in their specific applications.

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