

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

BOURNS®

RJ12 – Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 ohms to 1 megohm (see standard resistance table) Resistance Tolerance±10 % std. Absolute Minimum Resistance1 % or 2 ohms max. (whichever is greater) Contact Resistance Variation1.0 % 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 Level900 VAC 70,000 Feet......350 VAC

Environmental Characteristics

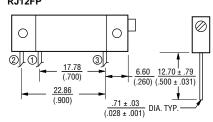
Effective Travel22 turns nom.

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 % Δ TR, 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 % Δ TR; 1 % or 1 ohm, whichever is greater, CRV)

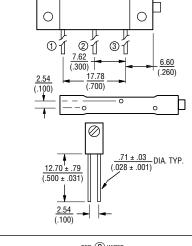
Physical Characteristics

Torque
Weight0.1 oz.
MarkingManufacturer's trademark,
resistance code, terminal numbers,
date code, manufacturer's model
number and style
Wiper 50 % (Actual TR) ±10 %
FlammabilityU.L. 94V-0
Standard Packaging 10 pcs. per tube
Adjustment Tool H-00

Product Dimensions RJ12FP



RJ12FY





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

TOLERANCES: ± 0.25 EXCEPT WHERE NOTED

Additional Information

Click these links for more information:











SELECTOR

<u>library</u>

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	

BOURNS®

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www.bourns.com



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

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
"Trimpot" is a registered trademark of Bourns, Inc.

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