



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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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 $\pm 10\%$ 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 $\pm 0.01\%$
Resistance $\pm 0.05\%$
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

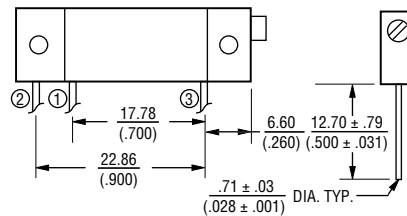
Power Rating @ 70 °C (400 volts max.) 1.0 watt
Power Rating @ 150 °C 0 watt
Temperature Range -55 °C to $+150\text{ °C}$
Temperature Coefficient ± 100 ppm/°C
Seal Test 85 °C Fluorinert*
(pin styles only)
Humidity MIL-STD-202 Method 106
(2 % Δ TR, 10 Megohms IR)
Vibration 20 G (1 % Δ TR; 1 % Δ VR)
Shock 50 G (1 % Δ TR; 1 % Δ VR)
Load Life.. 1,000 hours 1.0 watt @ 70 °C
(3 % Δ TR; 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

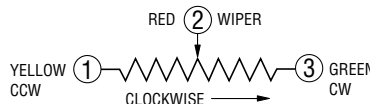
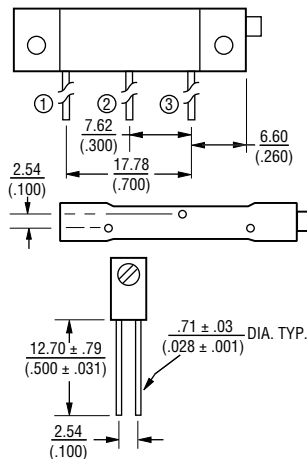
Torque 5.0 oz-in. max.
Mechanical Stops Wiper idles
Terminals .Solderable printed circuit pins
Flexible leads (7 strands of 30 AWG)
Weight 0.1 oz.
Marking Manufacturer's trademark,
resistance code, terminal numbers, date code, manufacturer's model number and style
Wiper 50 % (Actual TR) $\pm 10\%$
Flammability U.L. 94V-0
Standard Packaging 10 pcs. per tube
Adjustment Tool H-90

Product Dimensions

RJ12FP



RJ12FY



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

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

REV. 04/14

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

"Trimpot" is a registered trademark of Bourns, Inc.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.