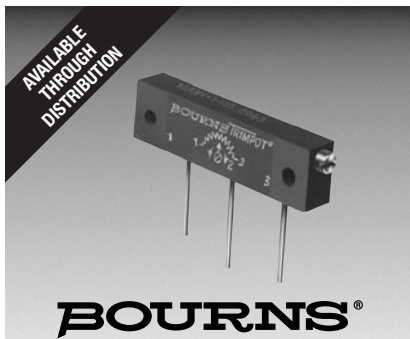




## Features

- 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

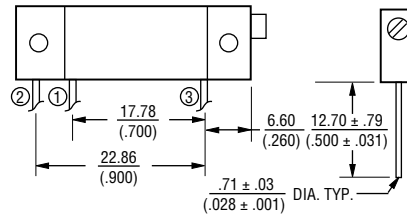
Power Rating @ 70 °C (400 volts max.)  
..... 1.0 watt  
Power Rating @ 150 °C ..... 0 watt  
Temperature Range ..... -55 °C to +150 °C  
Temperature Coefficient .....  $\pm 100$  ppm/°C  
Seal Test ..... 85 °C Fluorinert\*  
(pin styles only)  
Humidity ..... MIL-STD-202 Method 106  
(2 %  $\Delta$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

### Physical Characteristics

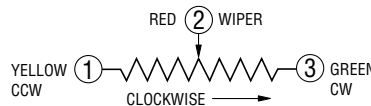
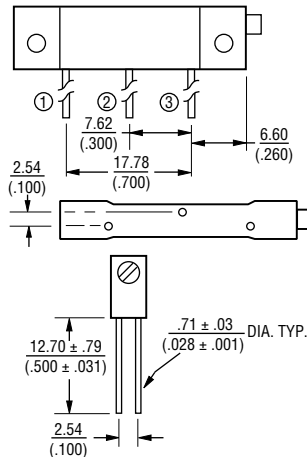
Torque ..... 5.0 oz-in. max.  
Mechanical Stops ..... Wiper idles  
Terminals .Solderable printed circuit pins  
Flexible leads ..... (7 strands of 30 AWG)  
Weight ..... 0.1 oz.  
Marking ..... Manufacturer's trademark,  
resistance code, terminal  
numbers, date code, manufacturer's  
model number 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 =  $\pm 100$  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             |