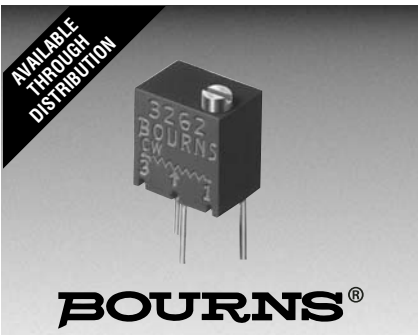




## Features

- Multiturn / Cermet / Industrial / Sealed
- [Listed on the QPL](#) per MIL-R-22097 and High-Rel MIL-R-39035
- Patent #4427966 drive mechanism

## RJ26/RJR26 - 1/4 " Trimming Potentiometer

### Electrical Characteristics

Standard Resistance Range .....10 to 1 megohm  
(see standard resistance table)  
Resistance Tolerance .....±10 % std.  
Absolute Minimum Resistance  
RJ26 .....2 % or  
20 ohms max. (whichever is greater)  
RJR26 .....2 % or  
2 ohms max. (whichever is greater)  
Contact Resistance Variation .....3.0 % or  
3 ohms max. (whichever is greater)  
Adjustability  
Voltage.....±0.02 %  
Resistance.....±0.05 %  
Resolution.....Infinite  
Insulation Resistance .....500 vdc.  
1,000 megohms min.  
Dielectric Strength  
Sea Level .....600 vac  
80,000 Feet.....250 vac  
Effective Travel.....12 turns nom.

### Environmental Characteristics

Power Rating (200 volts max.)  
85 °C .....0.25 watt  
150 °C .....0 watt  
Temperature Range .....-65 °C to +150 °C  
Temperature Coefficient .....±100 ppm/°C  
Seal Test .....85 °C Fluorinert\*  
Humidity  
RJ26 .....MIL-STD-202 Method 106  
96 hours (1 % ΔTR, 10 Megohms IR)  
RJR26 .....MIL-STD-202 Method 106  
96 hours (1 % ΔTR, 100 Megohms IR)  
Vibration .....20 G (1 % ΔTR; 1 % ΔVR)  
Shock .....100 G (1 % ΔTR; 1 % ΔVR)  
Load Life  
RJ26 .....1,000 hours 0.25 watt @ 85 °C  
(2 % ΔTR; 1 % ΔVR)  
RJR26 .....10,000 hours 0.25 watt @ 85 °C  
(3 % ΔTR)  
Rotational Life .....200 cycles  
(2 % ΔTR)

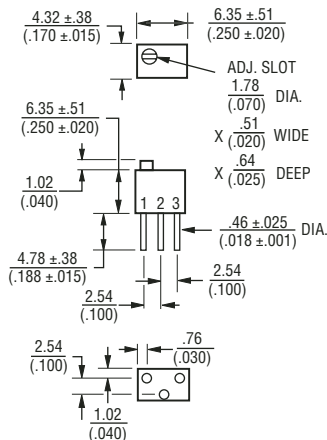
### Physical Characteristics

Torque.....3.0 oz.-in. max.  
Mechanical Stops.....Wiper idles  
Terminals .....MIL-STD-202; Method 208  
Weight .....0.015 oz.  
Marking.....Mil-spec part number  
Wiper.....50 % (Actual TR) ±10 %  
Flammability .....U.L. 94V-0  
Standard Packaging .....50 pcs. per tube  
Adjustment Tool .....H-90

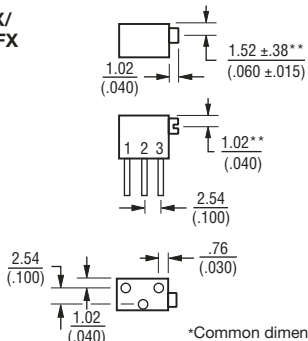
### Product Dimensions

#### RJ26FW/RJR26FW

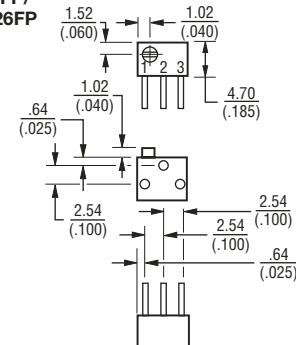
##### Common Dimensions



#### RJ26FX/ RJR26FX



#### RJ26FP/ RJR26FP



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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

### How To Order

MIL-PRF-22097 RJ26 F W 202

Model .....  
 Characteristic .....  
 F = ±100 ppm/°C Temp. Coeff. Max.  
 Terminal Style .....  
 Resistance Code .....

### How To Order

MIL-PRF-39035 RJR26 F W 204 P

Model .....  
 Characteristic .....  
 F = ±100ppm/°C Temp. Coeff. Max.  
 Terminal Style .....  
 Resistance Code .....  
 Failure Rate .....  
 M = 1.0 %  
 P = 0.1 %  
 R = 0.01 %

### 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             |

