



## Features

- Multiturn / Cermet / Industrial / Sealed
- Listed on the QPL per MIL-PRF-22097 and High-Rel MIL-PRF-39035
- For trimmer applications/processing guidelines, [click here](#)

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

### Electrical Characteristics

Standard Resistance Range ..... 10 to 1 megohm  
(see standard resistance table)  
Resistance Tolerance .....  $\pm 10\%$  std.  
Absolute Minimum Resistance  
RJ26 .....  $2\%$  or  
20 ohms max. (whichever is greater)  
RJ26 .....  $2\%$  or  
2 ohms max. (whichever is greater)  
Contact Resistance Variation .....  $3.0\%$  or  
3 ohms max. (whichever is greater)  
Adjustability  
Voltage .....  $\pm 0.02\%$   
Resistance .....  $\pm 0.05\%$   
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

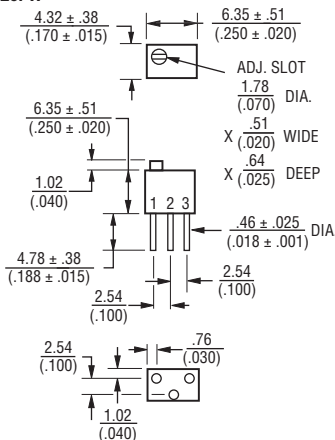
Power Rating (200 volts max.)  
85 °C ..... 0.25 watt  
150 °C ..... 0 watt  
Temperature Range ..... -65 °C to +150 °C  
Temperature Coefficient .....  $\pm 100$  ppm/°C  
Seal Test ..... 85 °C Fluorinert\*  
Humidity  
RJ26 ..... MIL-STD-202 Method 106  
96 hours (1 %  $\Delta$ TR, 10 Megohms IR) 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

### Physical Characteristics

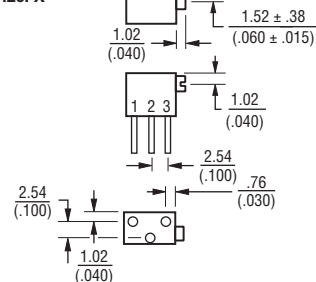
Torque ..... 3.0 oz-in. max.  
Mechanical Stops ..... Wiper idles  
Terminals ..... MIL-STD-202; Method 208  
Weight ..... 0.015 oz.  
Marking ..... Mil-spec part number  
Wiper ..... 50 % (Actual TR)  $\pm 10\%$   
Flammability ..... U.L. 94V-0  
Standard Packaging ..... 50 pcs. per tube  
Adjustment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

### Product Dimensions

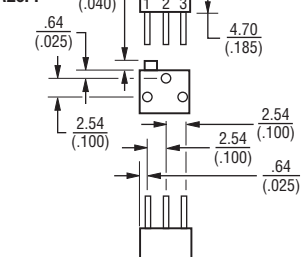
RJ26FW /  
RJ26FW



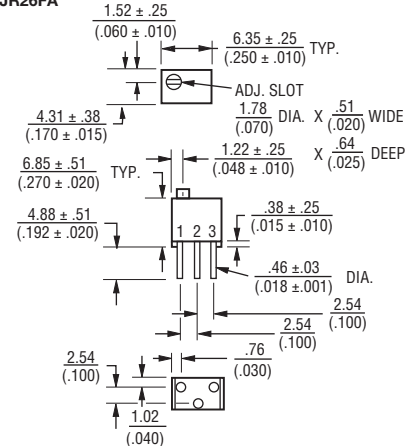
RJ26FX /  
RJ26FX



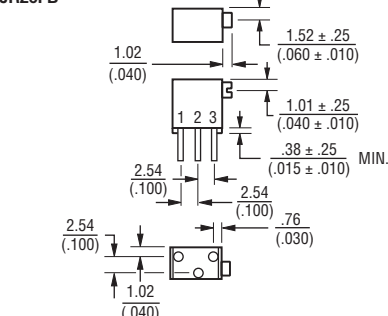
RJ26FP /  
RJ26FP



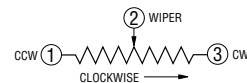
RJR26FA



RJR26FB



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



### How To Order

MIL-PRF-22097 **RJ26 F W 202**  
Model \_\_\_\_\_  
Characteristic \_\_\_\_\_  
F =  $\pm 100$  ppm/°C Temp. Coeff. Max.  
Terminal Style \_\_\_\_\_  
Resistance Code \_\_\_\_\_

### How To Order

MIL-PRF-39035 **RJR26 F W 204 P**  
Model \_\_\_\_\_  
Characteristic \_\_\_\_\_  
F =  $\pm 100$  ppm/°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 | Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|-------------------|-----------------|
| 10                | 100             | 10,000            | 103             |
| 20                | 200             | 20,000            | 203             |
| 50                | 500             | 25,000            | 253             |
| 100               | 101             | 50,000            | 503             |
| 200               | 201             | 100,000           | 104             |
| 500               | 501             | 200,000           | 204             |
| 1,000             | 102             | 250,000           | 254             |
| 2,000             | 202             | 500,000           | 504             |
| 5,000             | 502             | 1,000,000         | 105             |

REV. 04/14

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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.

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[RJR26FW501R](#) [RJR26FW502M](#) [RJR26FW502P](#) [RJR26FW502R](#) [RJR26FW503M](#) [RJR26FW503P](#) [RJR26FW503R](#)  
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[RJR26FX501R](#) [RJR26FX502P](#) [RJR26FX502R](#) [RJR26FX503P](#) [RJR26FB101P](#) [RJR26FB201P](#) [RJR26FB202P](#)  
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