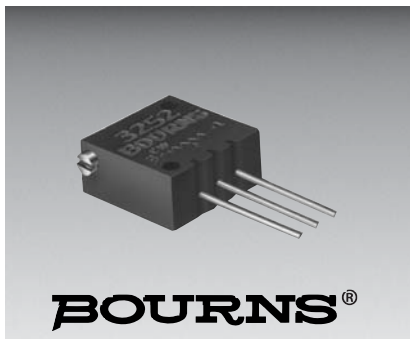




Features

- Multiturn / Cermet / Sealed
- Listed on the QPL per MIL-PRF-22097
- Panel mount option available



Model RJ22 is currently available, although not recommended for new designs.

RJ22 - 1/2 " Square Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 ohms to 1 megohm
(see standard resistance table)
Resistance Tolerance $\pm 10\%$ std.
Absolute Minimum Resistance 1 ohm max.
Contact Resistance Variation 2 % or 2 ohms 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 1,000 vac
80,000 Feet 400 vac
Effective Travel 25 turns nom.

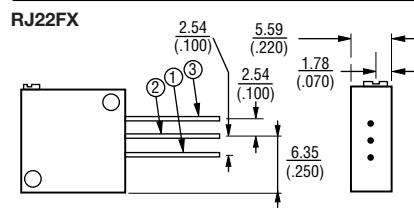
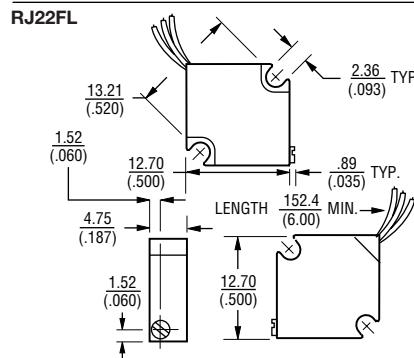
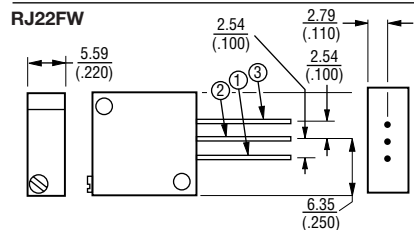
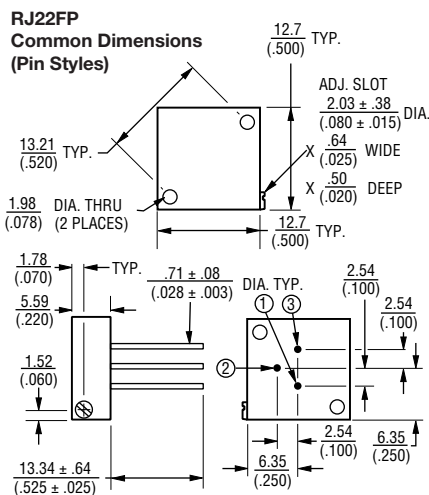
Environmental Characteristics

Power Rating @ 85 °C (400 volts max.) 0.50 watt
Power Rating @ 150 °C 0 watt
Temperature Range ... -65 °C to +150 °C
Temperature Coefficient ... ± 100 ppm/°C
Seal Test 85 °C Fluorinert*
(pin styles only)
Humidity MIL-STD-202 Method 106
(1 % Δ TR; 10 Megohms IR)
Vibration 20 G (1 % Δ TR; 1 % Δ VR)
Shock 100 G (1 % Δ TR; 1 % Δ VR)
Load Life. 1,000 hours 0.5 watt @ 85 °C
(2 % Δ TR; 1 % Δ VR)
Rotational Life 200 cycles
2 % Δ TR

Physical Characteristics

Torque 5.0 oz-in. max.
Mechanical Stops Wiper idles
Terminals MIL-STD-202; Method 208
Flexible leads (7 strands of 30 AWG)
Weight 0.065 oz.
Wiper 50 % (Actual TR) $\pm 10\%$
Flammability U.L. 94V-0
Machine Screw Mounting
Torque 12 oz-in. max.
Marking Mil-spec part number
Standard Packaging
X, P & W Styles 25 pcs. per tube
L Style 25 pcs. per bag
Adjustment Tool H-90

Product Dimensions



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

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

How To Order

MIL-PRF-22097 **RJ22 F W 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
250,000	254
500,000	504
1,000,000	105

