

Features

- 1/4" Round / Single-Turn / Cermet Industrial / Sealed
- Listed on the QPL per MIL-PRF-22097 and High-Rel MIL-PRF-39035
- For trimmer applications/processing guidelines, click here

Electrical Characteristics

Standard Resistance Range
10 to 1 megohm
(see standard resistance table)
Resistance Tolerance±10 % std.
Absolute Minimum Resistance
1 % or 2 ohms
(whichever is greater)
Contact Resistance Variation
(whichever is greater)
Adjustability
Voltage±0.05 %
Resistance±0.15 %
Resolution Infinite
Insulation Resistance
1,000 megohms min.
Dielectric Strength
5
Sea Level
80,000 Feet
Adjustment Angle 240 ° nom.

Environmental Characteristics

Power Rating @ 85 °C (300 volts max.)
Temperature Range55 °C to +150 °C
Temperature Coefficient ±100 PPM/°C
Seal Test
Humidity MIL-STD-202 Method 106
96 hours
(3 % ∆TR, 10 Megohms IR)
Vibration 30 G (1 % Δ TR; 1 % Δ VR)
except "P" pin style
Shock100 G (1 % ΔTR; 1 % ΔVR)
Load Life
1,000 hours 0.5 watt @ 85 °C
(3 % ∆TR; 3 % CRV)
Rotational Life200 cycles
(4 % ∆TR; 4 % CRV)

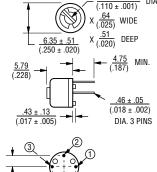
Physical Characteristics

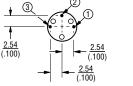
Mechanical Angle
MarkingManufacturer's trademark,
resistance code, date code,
manufacturer's model number
and style
Wiper 50 % (Actual TR) ±10 %
Standard Packaging 50 pcs. per tube Adjustment Tool

RJ50/RJR50 – 1/4 " Round Trimpot[®] Trimming Potentiometer

DIA.

Product Dimensions RJ50FP/RJR50FP ADJ. SLOT 2.79 ± .038

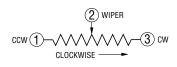




MM (INCHES) DIMENSIONS:

<u>0.25</u> (.010) TOLERANCES: ± EXCEPT WHERE NOTED

Schematic



Additional Information

Click these links for more information:



How To Order

Ρ	10	3
		P 10

How To Order

MIL-PRF-39035	RJR50	ΓI	P 20)3 I	C
Model ———					
Characteristic F = ±100 PPM/°C Tem	np. Coeff. M] ax.			
Terminal Style					
Resistance Code					
Failure Rate ——— M = 1.0 % P = 0.1 %					

Standard Resistance Table

Resistance	Resistance
(Ohms)	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



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