

Multi-Turn Precision Potentiometer

Model 7246



Features:

- 7/8" diameter
- 10-turn
- Wirewound



Electrical

Resistance Range, Ohms	10 to 125K
Standard Resistance Tolerance	±5%
Minimum Practical Resistance Tolerance	±3%
Independent Linearity	±0.25%
Minimum Practical Independent Linearity	±0.25%, <100 Ohms ±0.15%, ≥ 100 Ohms
Power Rating, Watts	2.0 at 25°C derating to 0 at 85°C
Dielectric Strength	1,000V rms
Insulation Resistance, Minimum	1,000 Megohms
Noise, Maximum	100 Ohms
Actual Electrical Travel	3600° + 10° - 0°
Tap Tolerance	±5°, ≤20 Ohms ±3°, 21-50 Ohms ±2°, >50 Ohms
End Voltage, Maximum (% of input voltage)	0.5%, <100 Ohms 0.25%, ≥100 Ohms

Environmental

Operating Temperature Range	-25°C to +85°C
Temperature Cycling	5 cycles, -25°C to +85°C (10% ΔR)
Shock, 6ms Sawtooth	50G's (0.1ms discontinuity max.)
Vibration	10G's, 10 to 500 Hz (2% ΔR, 0.1ms discontinuity max.)
Moisture Resistance	Five 24 hour cycles (25% ΔR)
High Temperature Exposure	Mechanical Operation at 85°C (0.5% ΔR)
Rotational Load Life	1 mil. shaft rev. (10% ΔR)