

1/4" [6.35mm] Sq. Wirewound Trimmers



FEATURES

- Precious metal wiper.
- 0.25 watt to + 85°C.
- TCR < 50PPM/°C.
- Solderable leads.
- Special configurations available.
- Military quality at affordable prices.

APPLICATIONS

Wirewound trimmers are particularly useful in those applications where any combination of high power, low temperature coefficient of resistance and/or excellent long term life stability are important design considerations.

ELECTRICAL SPECIFICATIONS

Electrical Travel: 22 ± 4 turns.

Resistance Range: 10 ohms to 5 kilohms. Extended range available in non MIL-Spec product.

Resistance Tolerance: ± 5% standard. Closer tolerances available.

Temperature Coefficient: (- 65°C to + 150°C) ± 50PPM/°C.

Power Rating: 0.5 watt at + 85°C derated to 0 watt at + 150°C. These specifications exceed MIL-Spec.

End Resistance: 1 ohm or 2%, whichever is greater.

Equivalent Noise Resistance (ENR): 100 ohms maximum.

Dielectric (DWV): 1000 VAC at atmospheric pressure.

These specifications exceed MIL-Spec.

Insulation Resistance: > 100,000 Megohms (500 VDC).

These specifications exceed MIL-Spec.

MECHANICAL SPECIFICATIONS

Operating Torque: 3 ounce inch maximum, 17^S and 18^S.

5 ounce inch maximum, 12^S, 14^S and 15^S.

Rotation: Clutch stop, wiper idles.

Weight: 0.935 grams maximum.

Resistive Element: Nickel chromium.

Rotational Life: 200 cycles minimum.

Terminal Strength: 2 pounds for 10 seconds.

ENVIRONMENTAL SPECIFICATIONS

Temperature Limits: - 65°C to + 175°C.

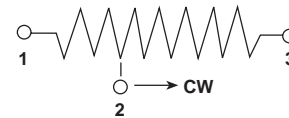
Sealing: Fully sealed case (non-hermetic).

STANDARD RESISTANCE VALUES

RESISTANCE* (Ohms)	NOMINAL RESOLUTION (%)
10	1.65
20	1.35
50	1.13
100	.82
200	.62
500	.62
1k	.49
2k	.34
5k	.27
10k	.21
20k	.17
25k	.16

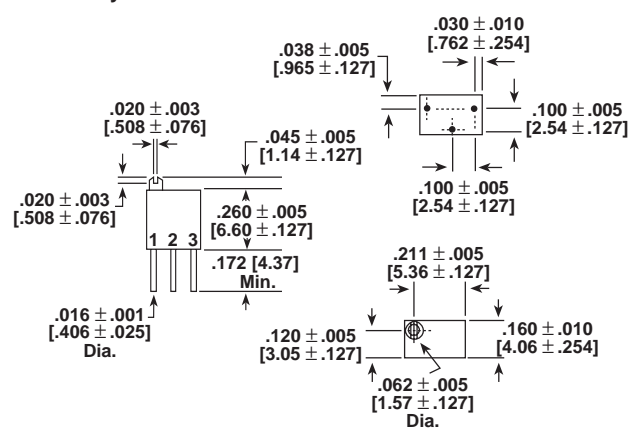
*Other resistances available upon request.

CIRCUIT DIAGRAM



DIMENSIONAL CONFIGURATIONS 1/4" [6.35mm] Square [Numbers in brackets indicate millimeters]

W Lead Style - 17^S



X Lead Style - 18^S

