

HEAVY DUTY WIRE WOUND AXIAL LEAD RESISTORS

INDUCTIVE & NON-INDUCTIVE

Applications:

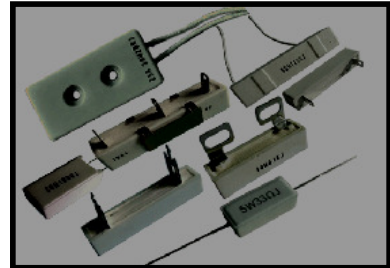
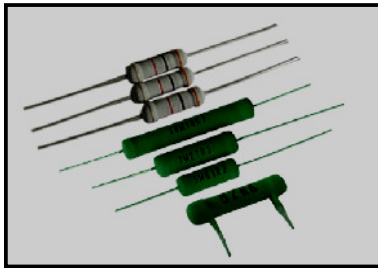
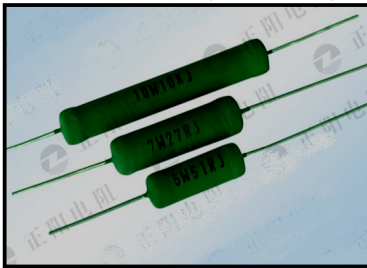
Automobile, D.C. /A.C. drives. control engineering, avionics, instrumentation, heavy industrial applications
Power Switchgear/protection, Slip ring motor starting, nuclear, solid state physical application, X-ray,
Power supplies Nuclear/power plant/heavy electrical and mechanical engineering, packaging,
Special performance sensor actuators for linear/rotary motion control, eneration//transmission/distribution.

Introduction:

MWWAR series of power axial lead resistor are silicon coated/viterous wire wound resistance are improved version of mangnin/eureka/other precision alloy ensuring better thermal stability over wide low power range. These axial lead resistors are coated with special siloxane coating/ceramic coating to ensure high dielectric strength of wiring. In some cases these resistance may be offered coating withstanding higher temperature range. End terminal are either tin coated brass or copper metal. Tailor-made resistances are always encouraged.

Benefits:

High flash temperature / Better temperature operating range.
Easy installation, Non abrasive/ chemically compatible.
Stable power dissipation over specified working ranging.
High energy density/thermal stability/dielectric strength coating.
Moisture resistance/ Vibration /shok resistance



Low Power Manual Axial lead resistor

Electrical/Mechanical specifications:

Power: 3to 30watts

| Model | Power watt | Length m.m. | O.D. m.m. | I.D. m.m.. | Coat MICRON | Tlead m.m | Rmin ohm | Rmax ohm |
|-----------|------------|-------------|-----------|------------|-------------|-----------|----------|----------|
| MWWAR-003 | 03 | 015 | 06 | n.a. | 200 | 38 | 00.5 | 0500 |
| MWWAR-002 | 05 | 24 | 08 | n.a. | 200 | 30 | 00.5 | 1500 |
| MWWAR-005 | 07 | 31 | 08 | n.a. | 200 | 30 | 00.5 | 1500 |
| MWWAR-010 | 08 | 31 | 08 | n.a. | 200 | 30 | 00.5 | 7500 |
| MWWAR-015 | 10 | 41 | 08 | n.a. | 200 | 30 | 00.5 | 5000 |
| MWWAR-020 | 20 | 52 | 08 | n.a. | 200 | 30 | 00.5 | 6000 |
| MWWAR-025 | 25 | 61 | 08 | n.a. | 200 | 30 | 00.5 | 7500 |

Low Power Manual Non-Axial lead resistor

Electrical/Mechanical specifications:

Power: 3to 30watts

| Model | Power watt | Length m.m. | O.D. m.m. | I.D. m.m... | Coat MICRON | Tlead m.m | Rmin ohm | Rmax ohm |
|-----------|------------|-------------|-----------|-------------|-------------|-----------|----------|----------|
| MWWAR-003 | 04 | 24 | 5 | 3 | 600 | 24 | 00.5 | 50000 |
| MWWAR-002 | 05 | 24 | 8 | 5 | 200 | 24 | 00.5 | 50000 |
| MWWAR-005 | 07 | 24 | 8 | 5 | 200 | 24 | 00.5 | 50000 |
| MWWAR-010 | 10 | 31 | 8 | 5 | 200 | 24 | 00.5 | 50000 |
| MWWAR-015 | 15 | 41 | 8 | 5 | 200 | 24 | 00.5 | 50000 |
| MWWAR-020 | 20 | 61 | 8 | 5 | 200 | 24 | 00.5 | 50000 |
| MWWAR-025 | 30 | 70 | 8 | 5 | 200 | 24 | 00.5 | 50000 |

General Electrical/Mechanical Technical Specification:

Resistance Range: 0.5-50000 ohm

Resistance tolerance: 0.1%, 0.5%, 1.0%, 3.0%, 5.0%

Terminal: tin coated copper

Coating: siloxane modified polymer(glazed/non-glazed)

Temperature coefficient (-55°C-155 °C): ±350PPM/□ Max

Short-term over load :1000%rated power 5s

Rated Load Rated wattage 30 min: □R±(2%+0.05Ω)

Effect of Soldering:□R±(0.2%+0.05Ω)

Insulation Resistance: 5-6 over 1000MΩ

Moisture Resistance: 1000hr □R± (2%R0+0.05Ω)

Moisture-Proof load life (40 °C 95%RHon ~ off cycle 1000 hrs.): □R± (5%R0+0.1Ω)

Load Life 40 °C 95%RHon ~ off cycle 1000 hrs.

No flammability (500%, 1000%, 1600%): not flamed

Terminal tensile strength: 22.2N for 5w-25w, 44.4N for all other

Dielectric resistance of coating: 500 volt/1000 volt/3000 volt

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