WIREWOUND, FILM, & METAL PLATE

### OPTIONS
- **Option X:** Non-inductive (refer to application note below)
- **Option P:** Increased Pulse Capability
- **Option M:** Power metal film element
- **Option L:** Low profile non-inductive metal plate design
- **Option E:** Increased Pulse Capability

### PERFORMANCE

- **Load Life (2000 hrs)**: ±1% (MWM25,35.27–2%)
- **Moisture Resistance**: ±0.25%
- **Temperature Cycling**: ±0.2%

### Short Time Overload
- **5 x rated W for 5 Sec**: ±50% for Opt. X

### Dielectric Strength
- **500V Min.**, 1KV avail.

### APPLICATION NOTES:
1. **Power Rating:** Resistors may be operated up to full rated power with consideration of mounting density, pad & trace geometry, PCB material, and ambient temperature. Standard parts should be derated by 67% at 70°C when ambient exceeds 25°C, low profile parts by 1/2% above 70°C.
2. **Inductance:** Standard wound parts are 1 - 20uH typ. For “non-inductive” design, specify Opt.X, and Opt.P, and Opt.M (power film element) are inherently low inductance (1 to 10nH typ.). Consult factory for assistance.
3. **Pulse Capability:** standard MWM (wirewound) and Opt. L (metal plate) offer excellent overload capability greatly exceeding that of film resistors. The overload level can often be economically enhanced by a factor of 50% or more via special processing (Opt.P). Pulse capability is highly dependent on size (resistance available up to 50 joules). Consult factory for assistance.

### P/N DESIGNATION:

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RCD Type | Options: X,P,M,L,F,E (leave blank if std)
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MWM2 | 0101- 

### FOOTNOTES:
- Voltage determined by E = $\sqrt{PR}$, E not to exceed maximum voltage rating. Increased ratings available. Multiply by 0.7 for Opt. X
- Dielectric strength for low profile Opt. L is 1000V (3000V avail)