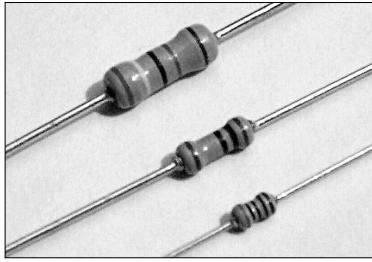


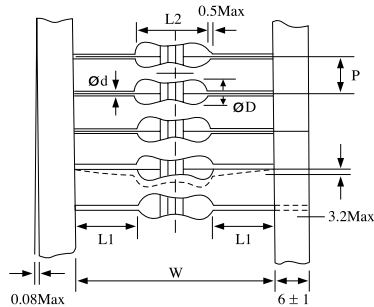
MR SERIES

FIXED METAL FILM RESISTORS



FEATURES

- Precision performance, economical cost, improved stability
- Low temperature coefficient, low current noise
- Miniature size(MRS 1/2W) result in 50% space saving
- Coating Color: Light Blue (MR 1/8W~MR1/2W),
Light Green (MRS1/2W)
- Marking: Color Code



TAPING DIMENSIONS

Unit: mm

| Type | W | L1 | d | L2 | P | D |
|----------|----------|------------|-------------|-----------|-----------|-----------|
| MR 1/8W | 52 ± 1.0 | 24.5 ± 1.0 | 0.45 ± 0.02 | 3.2 ± 0.2 | 5.0 ± 1.0 | 1.8 ± 0.2 |
| MR 1/6W | 52 ± 1.0 | 24.5 ± 1.0 | 0.45 ± 0.02 | 3.2 ± 0.2 | 5.0 ± 1.0 | 1.8 ± 0.2 |
| MR 1/4W | 52 ± 1.0 | 23.0 ± 1.0 | 0.58 ± 0.02 | 6.4 ± 0.2 | 5.0 ± 1.0 | 2.4 ± 0.2 |
| MRS 1/2W | 52 ± 1.0 | 23.0 ± 1.0 | 0.58 ± 0.02 | 6.4 ± 0.2 | 5.0 ± 1.0 | 2.4 ± 0.2 |
| MR 1/2W | 52 ± 1.0 | 21.5 ± 1.0 | 0.70 ± 0.02 | 9.0 ± 0.4 | 5.0 ± 1.0 | 3.3 ± 0.2 |

SPECIFICATIONS

| Type | Power Rating (W) | Max. Working Voltage(V) | Max. Overload Voltage(V) | Rating Ambient Temp. | Operating Temp. Range | Resistance Range | |
|---------|------------------|-------------------------|--------------------------|----------------------|-----------------------|----------------------------------|---------------------|
| | | | | | | E-96-F(±1%), D(±0.5%), C(±0.25%) | E-24-J(±5%), G(±2%) |
| MR 1/8 | 0.125 | 150 | 300 | +70°C | -55°C~ +155°C | 10-560K | 4.7-560K |
| MR 1/6 | 0.167 | 150 | 300 | | | 10-560K | 4.7-560K |
| MR 1/4 | 0.25 | 250 | 500 | | | 10-560K | 4.7-560K |
| MRS 1/2 | 0.5 | 300 | 600 | | | 10-560K | 4.7-560K |
| MR 1/2 | 0.5 | 300 | 600 | | | 10-560K | 4.7-560K |

*Consult factory for resistance values outside of above standard range & tolerance.

**Voltage rating is determined by $E = \sqrt{P \cdot R}$, E should not exceed Max. Working Voltage.

CHARACTERISTICS

| Characteristics | Performance |
|---------------------------------|----------------|
| Short Time Over Load | ± (1.0%+0.05Ω) |
| Dielectric Withstanding Voltage | ± (1.0%+0.05Ω) |
| Resistance To Soldering Heat | ± (1.0%+0.05Ω) |
| Terminal Strength | ± (1.0%+0.05Ω) |
| Moisture Resistance | ± (5.0%+0.05Ω) |
| Load Life | ± (2.0%+0.05Ω) |

HOW TO ORDER

| MR | 1/8W | 10Ω | J | TB |
|----|------|-----|---|----|
| 1 | 2 | 3 | 4 | 5 |

1. ABCO Code
2. Power Rating
3. Resistance
4. Tolerance(±0.25%, ±0.5%, ±1%, ±2%, ±5%)
5. Packing: TB is Tape & Ammo Box

