MOF-MOS SERIES

METAL OXIDE FILM RESISTORS

PRECISION RESISTIVE PRODUCTS, INC.
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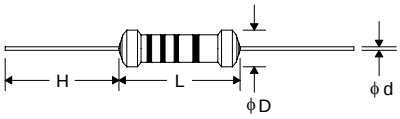
- **1/2 Watt Thru 10 Watt**
- **Excellent Stability**
- **Solvent Resistant Coatings**
- **Low Noise**
- **Small Size**
- **Flame Retardant**
- **Tolerance ±1% & ±5% @ 25°C**
- **Temperature Coefficient ±200 & ±350 PPM/°C**



Dimensions (mm)

Style		L	D	d	H(min)
MOF	MOS				
1/2W	1W	9 ±1	3.5 ±0.5	0.58 ±0.02	25
1W	2W	12 ±1	4.5 ±0.5	0.8 ±0.03	27
2W	3W	16 ±1	5.5 ±0.5	0.8 ±0.03	27
3W	5W	25 ±1	8.5 ±0.5	0.8 ±0.03	27
4W	6W	32 ±1	8.5 ±0.5	0.8 ±0.03	27
5W	7W	41 ±1	8.5 ±0.5	0.8 ±0.03	27
7W	10W	53 ±1	8.5 ±0.5	0.8 ±0.03	27

Operating Temperature Range is – 55°C to +155°C

Specifications

Style		Working Voltage	Overload Voltage	Resistance Range
MOF	MOS	Max.	Max.	± 5%
1/2W	1W	300V	600V	0.1Ω - 1MΩ
1W	2W	350V	700V	0.1Ω - 1MΩ
2W	3W	350V	700V	0.1Ω - 1MΩ
3W	5W	500V	1000V	0.5Ω - 1MΩ
4W	6W	500V	1000V	10Ω - 1MΩ
5W	7W	750V	1000V	10Ω - 150KΩ
7W	10W	750V	1000V	10Ω - 150KΩ

NOTE: 1% tolerance is available in MOF 1, 2 & 3 watts from 1 ohm thru 1 Meg. Ohm.
1/2 - 3 W parts are color coded. 4 - 7W are alphanumeric.
TCR ±200 PPM is also available. Consult factory.

Temperature Coefficient

T200 = ±200 PPM/°C T350 = ±350 PPM/°C

Standard Decade Values

How to Order

Color Codes

Sample Part Number

MOS 1W T350 100K ±5%

Packaging

- **±5% Resistance Tolerance**
- **100K Resistance Value**
- **T350 Temperature Coefficient**
- **1W Wattage**
- **MOS Style**

Add "T" at the end of the Style portion of the part number for lead free termination.

DEDICATION TO EXCELLENCE

Characteristics

Requirements	Performance	Test Method MIL-STD-202
Short Time Overload	Δ Rmax ≤ ±(1% +0.05Ω)	----------
Resistance to Soldering Heat	Δ Rmax ≤ ±(1% +0.05Ω)	Method 210
Temperature Cycling	Δ Rmax ≤ ±(1% +0.05Ω)	Method 107
Load Life	Δ Rmax ≤ ±(1% +0.05Ω)	Method 108
Dielectric Withstanding Voltage	Δ Rmax ≤ ±(1% +0.05Ω)	Method 301
Moisture Resistance	Δ Rmax ≤ ±(1% +0.05Ω)	Method 106
Insulation Resistance	> 10 MΩ	----------
Flammability	In accordance with UL 492.2.13 without producing a fire hazard.