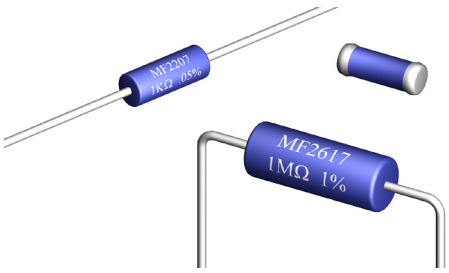
MF2000 Series

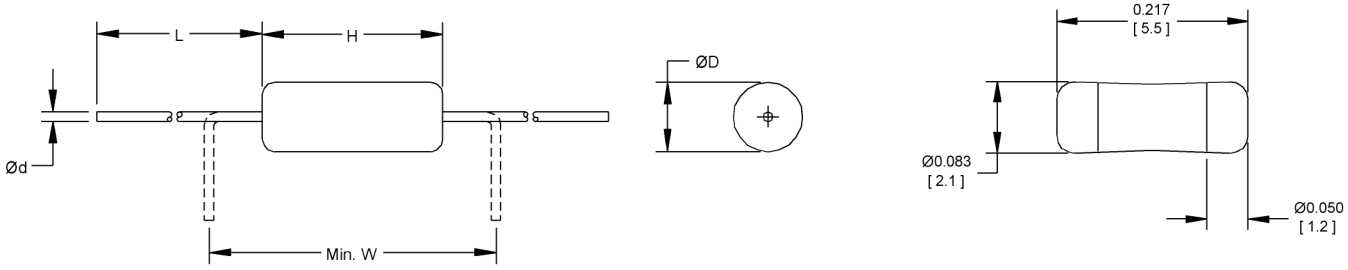
Precision / Metal Film Resistors



- **Resistances from 1 to 10MOhms**
- **Power Rating 0.4 to 0.65Watts**
- **Resistance Tolerances to ±0.05%**
- **TCR's to ±3ppm/K**
- **Very Low Inductance**
- **Matched Sets Available**
- **E192 Values in Stock**

SPECIFICATIONS

Type	Power Rating Watts @ 70°C	Resis-tance Range (Ω)	Maximum Voltage	$H_{(MAX)}$	$D_{(MAX)}$	d ±0.002" [±0.05mm]	$L_{(MIN)}$	$W_{(MIN)}$	RN Size
MFM2207	0.40	1 to 5M	300	(See MFM2207 Drawing)					-
MF2207	0.40	1 to 10M	300	0.260 [6.5]	0.100 [2.5]	0.028 [0.7]	1.20 [30]	0.300 [7.5]	RN55
MF2617	0.65	3 to 10M	500	0.600 [15.2]	0.230 [5.8]	0.032 [0.8]	1.20 [30]	0.690 [17.5]	RN65



MFM2207

Specification	Value
Resistance Range	1 Ohms to 10MOhms
Tolerances	±0.05% to ±1%
Temperature Coefficient	(See Charts)
Temperature Range	-25°C to +125°C (TC >= 25ppm/K) -10°C to +85°C (TC < 25ppm/K)
Insulation Resistance	>10000 MOhms
Climatic Category	55/125/56
Max Soldering Temperature	+260°C / 10s
Voltage Coefficient	< 5ppm/V

SPECIFICATIONS (continued)

MFM2207 TCR / Tolerance / Resistance Chart

TCR (± ppm/K)	Resistances Available at These Tolerances				
	±0.05%	±0.1%	±0.25%	±0.5%	±1%
5	50 - 250K	10 - 500K	10 - 500K	10 - 500K	-
10	50 - 510K	5 - 1M	5 - 1M	5 - 1M	-
15	50 - 510K	5 - 1.5M	5 - 1.5M	5 - 2M	1 - 2M
25	50 - 510K	5 - 1.5M	5 - 3M	2 - 5M	1 - 5M
50	50 - 510K	5 - 2M	3 - 3M	2 - 5M	1 - 5M

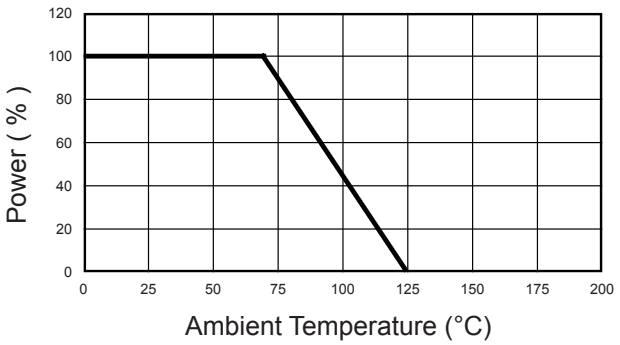
MF2207 TCR / Tolerance / Resistance Chart

TCR (± ppm/K)	Resistances Available at These Tolerances				
	±0.05%	±0.1%	±0.25%	±0.5%	±1%
3	50 - 120K	30 - 200K	30 - 200K	30 - 200K	-
5	50 - 250K	10 - 500K	10 - 500K	10 - 500K	-
10	50 - 510K	5 - 1M	50 - 1M	50 - 1M	-
15	50 - 510K	5 - 1.5M	5 - 2M	5 - 2M	1 - 2M
25	50 - 510K	5 - 3M	2 - 3M	2 - 5M	1 - 5M
50	50 - 510K	5 - 3M	2 - 3M	2 - 10M	1 - 10M

MF2617 TCR / Tolerance / Resistance Chart

TCR (± ppm/K)	Resistances Available at These Tolerances				
	±0.05%	±0.1%	±0.25%	±0.5%	±1%
10	240 - 250K	100 - 250K	50 - 250K	20 - 510K	20 - 510K
15	240 - 250K	100 - 250K	50 - 250K	20 - 510K	20 - 510K
25	240 - 510K	100 - 1M	50 - 2M	20 - 5M	10 - 5M
50	100 - 510K	50 - 10M	10 - 10M	5 - 10M	3 - 10M

Power Derating Curve



Ordering Information

Part Number - Resistance - Tolerance - TCR
Example: MF2207 1.1 kOhm 0.05% 5ppm
(Note: If no TCR is specified / the highest value will be supplied)