



Micron Power Resistors

MRP

Large-Capacity Type Resistors With Aluminum Case (Economy Type)

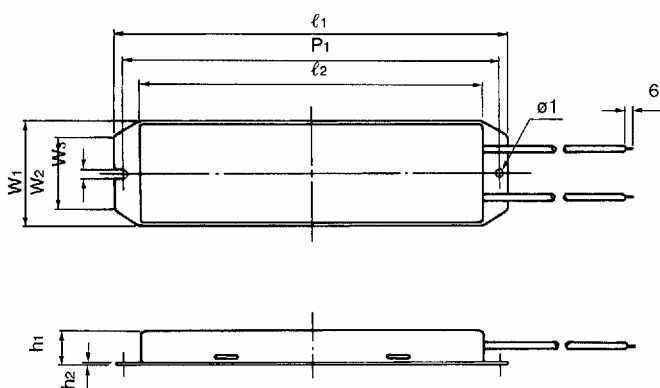
* Please refer to MDS-1212 for more detailed information.

MRC

MRS

Part Numbering System

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
M	R	C	0	8	N	I	R	0	K	I	X	2	2	0	C	Z	Z
Generic name	Resistor element	External shape	Standard	Resistance	Tolerance	Lead pull out method	Lead length in mm	Distinction of Inductive/non-inductive	Withstand voltage AC 2000V								



* Terminal arrangements should be separately specified.

Lead Wire Conductor Cross-Section:

Conductor cross-sectional area	0.75mm ²	3.5mm ²
Withstand voltage	2000V	2000V

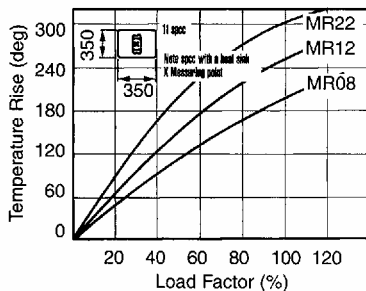
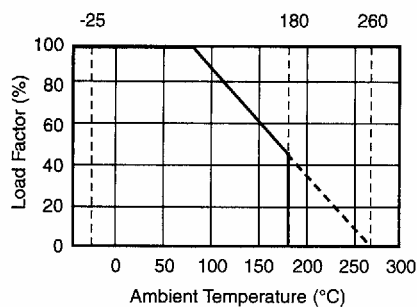
External Dimensions

(mm)

Shape	ℓ_1	ℓ_2	P_1	W_1	W_2	W_3	h_1	h_2	ϕ_1
MR08	132	100	122±0.4	44±0.4	26	4.3 ^{+0.3} ₀	20	1	4.3
MR12	182	150	172±0.9	42±0.4	23.5	4.3 ^{+0.3} ₀	20	1.2	4.3
MR22	230	200	220±0.4	60±0.4	42.7	4.3 ^{+0.3} ₀	20	1.2	4.3

Temperature Rise (ref.)

Derating Curve



Nominal Resistance Values

Shape	Element construction	Inductive/ non-inductive	Rated power	Nominal resistance range	Tolerance	
					Symbol	Tolerance
MR08	P(band wire)	N	80W	0.08Ω~0.4Ω	J	±5%
	C(Coil)	I		0.4Ω~8.8Ω		
		N		0.24Ω~2.8Ω		
		I		8.8Ω~4.8kΩ		
	S(Wire wound)	N		2.8Ω~660Ω		
MR12	P(band wire)	N	120W	0.1Ω~0.5Ω	K	±10%
	C(Coil)	I		0.5Ω~50Ω		
		N		0.25Ω~10Ω		
		I		50Ω~13.6kΩ		
	S(Wire wound)	N		10Ω~1.4kΩ		
MR22	P(band wire)	N	220W	0.2Ω~1Ω		
	C(Coil)	I		1Ω~65Ω		
		N		0.5Ω~8Ω		
		I		65Ω~21.1kΩ		
	S(Wire wound)	N		8Ω~2.2kΩ		