# Resistors
MResist

For high-load applications, wire-wound **cement resistors** with a continuous load capacity of 25 watt are a good option.

In comparison, **metal-oxide film resistors** do not have any residual inductivity. This is the reason why metal oxide film resistors should be favoured whenever impulse speed is required, e.g. in the medium/high frequency range. The versions we offer have a continuous load capacity of two and a half, five or ten watt. In the impulse range, however, they have a much higher continuous load capacity.
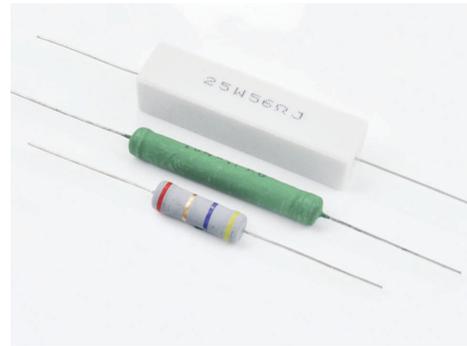
MR5
Metal-oxide film resistors, 5 watt

Ohm [Ω] ±2%	[€]
0,10	0,79
0,22	0,79
0,33	0,79
0,47	0,79
0,68	0,79
0,82	0,79
1,0	0,79
1,2	0,79
1,5	0,79
1,8	0,79
2,2	0,79
2,7	0,79
3,3	0,79
3,9	0,79
4,7	0,79
5,6	0,79
6,8	0,79
8,2	0,79
10	0,79
12	0,79
15	0,79
18	0,79
22	0,79
27	0,79
33	0,79
39	0,79
47	0,79
56	0,79

MR10
Metal-oxide film resistors, 10 watt

Ohm [Ω] ±2%	[€]
0,10	1,29
0,15	1,29
0,22	1,29
0,27	1,29
0,33	1,29
0,39	1,29
0,47	1,29
0,56	1,29
0,68	1,29
0,82	1,29
1,0	1,29
1,2	1,29
1,5	1,29
1,8	1,29
2,2	1,29
2,7	1,29
3,3	1,29
3,9	1,29
4,7	1,29
5,6	1,29
6,8	1,29
8,2	1,29
10	1,29
12	1,29
15	1,29
18	1,29
22	1,29
27	1,29
33	1,29
39	1,29
47	1,29
56	1,29

R25
High-load resitors, 25 watt

Ohm [Ω] ±5%	[€]
1,0	1,79
1,2	1,79
1,5	1,79
1,8	1,79
2,2	1,79
2,7	1,79
3,3	1,79
3,9	1,79
4,7	1,79
5,6	1,79
6,8	1,79
8,2	1,79
10	1,79
12	1,79
15	1,79
18	1,79
22	1,79
27	1,79
33	1,79
39	1,79
47	1,79
56	1,79

Colour codes for resistors

Color	1. ring 1. numeral	2. ring 2. numeral	3. ring multiplier	4. ring tolerance
without				20%
silver			0.01	10%
gold			0.1	5%
black		0	1	
brown	1	1	10	1%
red	2	2	100	2%
orange	3	3	1.000	
yellow	4	4	10.000	
green	5	5	100.000	0.50%
blue	6	6	1.000.000	0.25%
purple	7	7	10.000.000	0.10%
grey	8	8	100.000.000	0.05%
white	9	9	1.000.000.000	
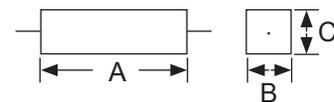
Typ	A	B	C	Wire Ø * l [mm]	Bulk pack [pc]
	Dimensions [mm]				
R25	60	15	13	0.8 * 35	36
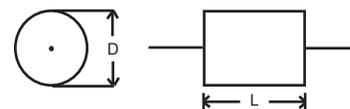
Type	L [mm]	D [mm]	Wire Ø * l [mm]	Bulk pack [pc]
MR5	24	8	0.8 * 35	12/567
MR10	52	8	0.8 * 35	12/288