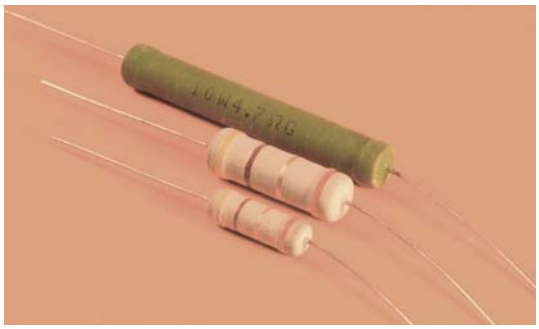
In contrast to normal wire resistors, **metal oxide film resistors** exihibit no residual inductivity. Therefore, in all cases where impulse velocity is important, in the middle range for example, **metal oxide film resistors** should always be chosen. The design wich we supply has a continuous load capacity of 3, 5 or 10 Watt, but can handle a much higher load in the impulse range.



MR3 (formerly mr4)
Metal oxide film resistors, 2.5 Watt

Ohm [Ω] ±2%	[€]
0.10	
0.15	
0.22	
0.33	
0.47	
0.68	
0.82	
1.0	
1.2	
1.5	
1.8	
2.2	
2.7	
3.3	
3.9	
4.7	
5.6	
6.8	
8.2	
10	
12	
15	
18	
22	
27	
33	
39	
47	
56	

MR5
Metal oxide film resistors, 5 Watt

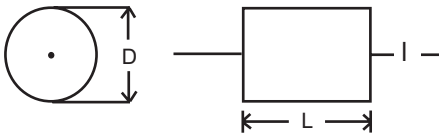
Ohm [Ω] ±2%	[€]
0.10	
0.22	
0.33	
0.47	
0.68	
0.82	
1.0	
1.2	
1.5	
1.8	
2.2	
2.7	
3.3	
3.9	
4.7	
5.6	
6.8	
8.2	
10	
12	
15	
18	
22	
27	
33	
47	
56MMM	

MR10
Metal oxide film resistors, 10 Watt

Ohm [Ω] ±2%	[€]
0.10	
0.15	
0.22	
0.27	
0.33	
0.39	
0.47	
0.56	
0.68	
0.82	
1.0	
1.2	
1.5	
1.8	
2.2	
2.7	
3.3	
3.9	
4.7	
5.6	
6.8	
8.2	
10	
12	
15	
18	
22	
27	
33	
39	
47	
56	

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	



Type	L [mm]	D [mm]	Wire Ø * l [mm]
mr3	17	6	0.8 * 30
mr5	24	8	0.8 * 35
mr10	52	8	0.8 * 35