

fixed resistors

metal film - lacquered

MR25 MR30 MR52

Resistance ranges	from 1 Ω to 1 MΩ E24, E96 and E192 series
Resistance tolerance	± 0,5, ± 1, ± 2, ± 5%
Temperature coefficient	± 50, ± 100, ± 200 ppm/°C
Abs. max. dissipation at T _{amb} = 70 °C	MR25 0,4 W MR30 0,5 W MR52 0,75W
Basic specification	IEC 115-1
Climatic category (IEC68)	55/155/56
Stability after load	see nomogram

colour	first digits of resistance value	multiplier	tolerance
black	0	1 x	
brown	1	10 x	± 1%
red	2	100 x	± 2%
orange	3	1 000 x	
yellow	4	10 000 x	
green	5	100 000 x	± 0,5%
blue	6		
violet	7		
grey	8		
white	9		

for E24 series	multiplier	tolerance
	0,01 x	
	0,1 x	± 5%

style	limiting voltage (r.m.s)	rated dissipation at 70 °C	resistance range	tolerance	series	temperature coefficient	catalogue no. 2322
	V					W	
MR25	250	0,4	4,99 Ω - 681 kΩ	0,5	E192	50 ¹⁾	151 7
	250		4,99 Ω - 681 kΩ	1	E96 + E24	50 ¹⁾	151 5
	250		1 Ω - 680 kΩ	2	E24	100	151 4
	250		1 Ω - 680 kΩ	5	E24	200	151 6
MR25 on reel	250	0,4	4,99 Ω - 681 kΩ	1	E96	50 ¹⁾	151 2
	250		1 Ω - 680 kΩ	2	E24	100	151 1
	250		1 Ω - 680 kΩ	5	E24	200	151 3
MR30	350	0,5	4,99 Ω - 1 MΩ	0,5	E192	50 ¹⁾	152 7
	350		4,99 Ω - 1 MΩ	1	E96 + E24	50 ¹⁾	152 5
	350		5,1 Ω - 1 MΩ	2	E24	100	152 4
	350		5,1 Ω - 1 MΩ	5	E24	200	152 6
MR30 on reel	350	0,5	4,99 Ω - 1 MΩ	1	E96	50 ¹⁾	152 2
	350		5,1 Ω - 1 MΩ	2	E24	100	152 1
	350		5,1 Ω - 1 MΩ	5	E24	200	152 3
MR52	500	0,75	4,99 Ω - 1 MΩ	1	E96	100	153 5

¹⁾ For values ≤ 49,9 Ω: 100 ppm/°C.

Composition of the catalogue no. 2322

Style code
see table

Tolerance code
7 for ± 0,5%
2 or 5 for ± 1%
1 or 4 for ± 2%
3 or 6 for ± 5%

Resistance code: first three figures of the resistance value followed by

- 8 for R of 1 to 9,76 Ω
- 9 for R of 10 to 97,6 Ω
- 1 for R of 100 to 976 Ω
- 2 for R of 1 to 9,76 kΩ
- 3 for R of 10 to 97,6 kΩ
- 4 for R of 100 to 976 kΩ
- 5 for R of 1 MΩ

Example
The catalogue no. of an MR30 resistor of 3650 Ω with a tolerance of 1% is 2322 152 53652.