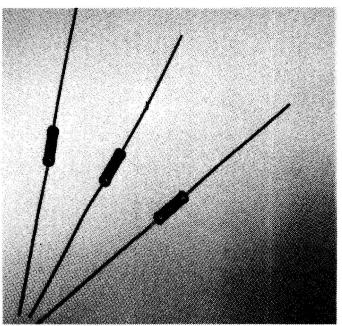


fixed resistors

metal film-lacquered

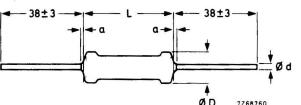
**MR24E/C/D MR34E/C/D
MR54E/C/D MR74E/C/D**

These resistors are intended for demanding applications where MIL-STD is required. They meet MIL-R-10509F in all respects and can be supplied with tolerances down to 0,1% and, to special order, in non-standard resistance values.



Resistance ranges	from 10 Ω to 1 M Ω , E96, E192 series
Resistance tolerances	0,1, 0,25, 0,5, 1%
Rated dissipation	
at $T_{amb} = 125^\circ C$	MR24E/C 0,1 W MR34E/C 0,125 W MR54E/C 0,25 W MR74E/C 0,5 W
at $T_{amb} = 70^\circ C$	MR24D 0,125 W MR34D 0,25 W MR54D 0,5 W MR74D 0,75 W
Basic specification	MIL-R-10509F
Stability after load	$\Delta R/R$ max. 0,5% +0,05 Ω

style	D _{max}	L _{max}	d	a _{max}
MR24 E/C/D	2,5	6,5	0,6	1
MR34 E/C/D	3,1	10,5	0,6	1
MR54 E/C/D	5,2	16,5	0,6	1
MR74 E/C/D	6,8	20,5	0,8	1



Marking: (to MIL-R-10509 F)
Each resistor is marked with:
MIL style
value and tolerance in MIL code
manufacturers' identification symbol

style	max. voltage	rated dissipation	resistance range and tolerance	maximum temperature	MIL style coefficient	style code
V(r.m.s.)	W		ppm/ $^\circ C$			
at 125 $^\circ C$						
			0,1/0,25/0,5%	\pm		
			E192 series			
			1% E96 series			
MR24E	200	0,1	49,9 Ω –100 k Ω	25	RN55E	160
MR24C	200	0,1	49,9 Ω –100 k Ω	50	RN55C	161
MR34E	250	0,125	49,9 Ω –499 k Ω	25	RN60E	163
MR34C	250	0,125	49,9 Ω –499 k Ω	50	RN60C	164
MR54E	300	0,25	49,9 Ω – 1 M Ω	25	RN65E	166
MR54C	300	0,25	49,9 Ω – 1 M Ω	50	RN65C	167
MR74E	350	0,5	24,9 Ω – 1 M Ω	25	RN70E	169
MR74C	350	0,5	24,9 Ω – 1 M Ω	50	RN70C	170
at 70 $^\circ C$						
			1% E96 series	\pm		
MR24D	200	0,125	10 Ω –301 k Ω	100	RN55D	162
MR34D	300	0,25	10 Ω – 1 M Ω	100	RN60D	165
MR54D	350	0,5	10 Ω – 1 M Ω	100	RN65D	168
MR74D	500	0,75	10 Ω – 1 M Ω	100	RN70D	171

1) Where following values occur,
use numbers shown below.

Composition of the catalogue no.

2322

Style code

see table

Tolerance code¹⁾

1 for $\pm 1\%$

2 for $\pm 0,5\%$

3 for $\pm 0,25\%$

4 for $\pm 0,1\%$

Example

Style MR24E, 261 k Ω , 0,25%; catalogue no. 2322 160 32614.

Resistance code¹⁾: first three figures of the resistance value followed by
9 for R of 10 to 98,8 Ω
1 for R of 100 to 988 Ω
2 for R of 1 to 9,88 k Ω
3 for R of 10 to 98,8 k Ω
4 for R of 100 to 988 k Ω
5 for R of 1 M Ω

value Ω	last 5 digits of the catalogue no. 0,1%	0,25%	0,5%	1%
29,9	92102	92122		
39,9	92103	92123		
49,9	92104	92124	92134	92144
59,9	92105	92125		
69,9	92106	92126		
79,9	92107	92127		
89,9	92108	92128		
99,9	92109	92129		