

CMF-V-Series

Precision Chip Resistors, voltage resistant

Sizes: 1206, 2512

Features:

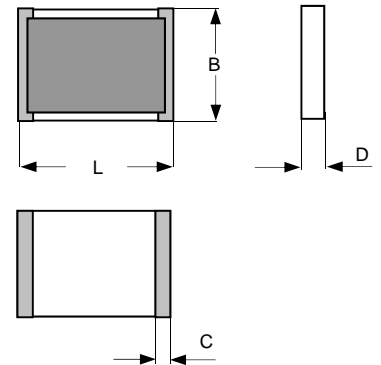
- Chip Resistors in Thin Film Technology
- Contact areas: Nickel-barrier / matte tin
- Resistance element resin-passivated
- Tight tolerances (0.05%)
- Low TCR (5 ppm/K)
- Extreme low noise
- Operating voltages up to 1000V



Dimensions:

Baugröße	L	B	D	C
1206	3.2 ±0.2	1.6 ±0.15	0.55 ±0.1	0.5 ±0.2
2512	6.3 ±0.2	3.2 ±0.2	0.55 ±0.2	0.5 ±0.2

L = length, B = Width, D = Thickness, C = Width wrap around (in mm)



Packaging:

Bulk in plastic bags - minimum quantity 100 pieces per value
 Tape according to IEC 60286-3 – minimum quantity 500 pieces per value
 Reel diameter 180 mm or 330 mm

Ordering data:

Type – value – tolerance – TCR – packaging
 Example: *CMF 0805 68K ±0.05% TCR5 Tape 180 mm*

If no requirements for TCR and taping are given, the standard value (highest TCR value in table) will be supplied and packaging is bulk

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Technical data – depending on size:

Size		1206	2512
Power rating P_{70} (mW) ($P_{125} = 0$ mW)	0.5; 1 ¹⁾	250	750
	0.1 ¹⁾	100	400
Working voltage U_{-} , U_{eff} (V)		1000	1000

Ranges	Tolerance / TCR ²⁾		
5R1 – <10R		0,1 ... 1% TK 25/50	0,1 ... 1% TK 25/50
10R – <47R		0,1 ... 1% TK 10...50	0,1 ... 1% TK 10...50
47R – 1M		0,05 ... 1% TK 5...50	0,05 ... 1% TK 5...50
> 1M – 2M		0,1 ... 1% TK 5...50	0,1 ... 1% TK 5...50
> 2M – 5M		0,1 ... 1% TK 15...50	0,1 ... 1% TK 10...50
> 5M – 15M		–	0,1 ... 1% TK 10...50

Tolerance-Classes: 0.05 – 0.1 – 0.25 – 0.5 – 1%

TCR-Classes: 5, 10, 15, 25, 50 ppm/K

¹⁾ Stability-Class acc. to EN 140401-801

²⁾ TCR 5: in temperature range 0°C ... +70°C

Technical data - general:

Temperature range	-55°C...+125°C
Climatic category acc. to EN 60068-1	55/125/56
Solderability acc. to EN 60068-2-58 (lead-free and lead-containing)	245°C 3s
Max. soldering temperature acc. to EN 60068-2-58	260°C 10s

Long term stability	47R – 15M	<47R
Storage 125°C/1000h	<0.15%	<0.25%
Storage 155°C/1000h	<0.35%	<0.50%
Load P_{70} /70°C/1000h	<0.10%	<0.25%
Damp heat (56d/40°C/96%)	<0.15%	<0.50%

Not specified data according to EN 140401-801 (CECC 40401-801)