

Thinfil Chip Resistors

Type: AR

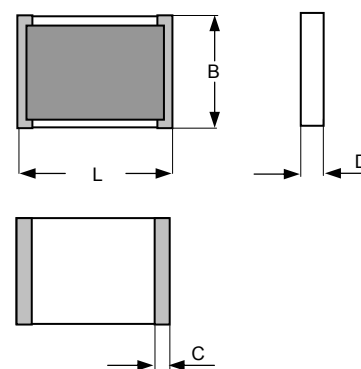
Sizes: 0402, 0603, 0805, 1206, 2010, 2512

Features:

- Chip Resistors in Thinfil
- NiCr-resistance element – Pb-free terminations
- Close tolerances - low TCR

Dimensions:

Size	L	B	D	C
0402	1.0 ± 0.05	0.5 ± 0.05	0.30 ± 0.05	0.2 ± 0.1
0603	1.55 ± 0.1	0.8 ± 0.1	0.45 ± 0.1	0.3 ± 0.2
0805	2.0 ± 0.15	1.25 ± 0.15	0.55 ± 0.1	0.4 ± 0.25
1206	3.05 ± 0.15	1.55 ± 0.15	0.55 ± 0.1	0.35 ± 0.25
2010	4.9 ± 0.15	2.4 ± 0.15	0.55 ± 0.1	0.5 ± 0.25
2512	6.3 ± 0.15	3.1 ± 0.15	0.55 ± 0.1	0.5 ± 0.25



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

Technical data – depending on size:

Size	0402	0603	0805	1206	2010	2512
Power rating P ₇₀	62.5 mW	62.5mW	100mW	125mW	250mW	500mW
Max. Operating Voltage	25V	50V	100V	150V	150V	150V
Resistance range	10R...100K	10R...332K	4R7...1M	4R7...1M	4R7...1M	4R7...1M
Tolerances	0.1...1%	0.1...1%	0.1...1%	0.1...1%	0.1...1%	0.1...1%
TCR (ppm/K)	10...50	10...50	10...50	10...50	10...50	10...50
Pieces per tape	10,000	5,000	5,000	5,000	4,000	4,000
Type of tape	Paper	Paper	Paper	Paper	Plastic	Plastic

Technical data - general:

Temperature range	-55°C ... +155°C
Load Life (70°C, power 1.5h on, 0.5h off, 1000h)	$\Delta R < 0.2\%$
Short time overload (2.5x rated power, 5s)	$\Delta R < 0.5\%$
Humidity (40°C, 95%RH, power 1.5h on, 0.5h off, 1000h)	$\Delta R < 0.3\%$
Dry Heat (96h / 155°C)	$\Delta R < 0.2\%$

More data on request

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