

Shunt Chip Resistors (Metal)

Type: **GLR**

Sizes: **1206, 2010, 2512, 2725, 2728**

Features:

- Metal strip resistance element (coated)
- High Power Rating up to 4W
- Resistance values from 0.25mR to 100mR
- Low TCR available (15 ppm/K)
- Suitable for high temperature applications (max. 275°C)
- 100% rated power up to 100°C

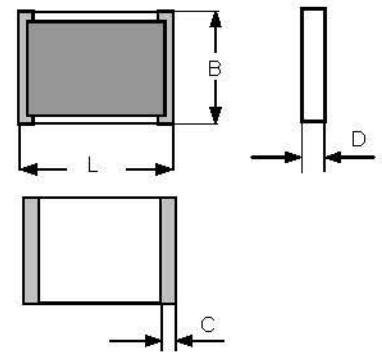


Dimensions:

Size	L	B	C	D
1206	3.15 ±0.25	1.60 ±0.25	0.75 ±0.25	0.50 ±0.25
2010	5.10 ±0.25	2.54 ±0.25	1.60 ±0.25 / 0.80 ±0.25 ¹⁾	0.80 ±0.25
2512	6.25 ±0.25	3.30 ±0.25	1.13 ±0.25 / 1.88 ±0.25 ¹⁾	0.80 ±0.25
2725	6.80 ±0.25	6.70 ±0.25	1.30 ±0.25 - 2.15 ±0.25 ¹⁾	0.90 - 1.10 ¹⁾
2728	6.70 ±0.25	7.20 ±0.25	1.15 ±0.25	1.00 ±0.25

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

¹⁾ Depending on resistance value



Packaging:

Minimum order quantity: 1000 pieces per value

Blister tape; Reel diameter 180 mm (7")

Ordering Data:

Type – value – tolerance – (power rating)

Example: GLR 2512 0R22 ±1% 2W

Technical data - general:

Temperature range	-65°C ... +275°C
Solderability acc. to MIL-STD 202F Method 208H	245°C, 3s
Max. soldering temperature acc. to MIL-STD 202F Method 210E	260°C, 10s
Long term stability	
Load Life (100°C, power 1.5h on, 0.5h off, 1000h)	ΔR < 1% + 0.5mR
Short time overload (3x rated power, 5s)	ΔR < 0.5% + 0.5mR
High / low temperature (1000h@155°C or 1000h@-55°C)	ΔR < 1% + 0.5mR

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Technical data – depending on size:

Size	Value	Tolerance	Power P ₁₀₀ (W) ²⁾	TCR (ppm/K)
1206	1mR ... 4mR	1%; 5%	0,5; 1	50
	4.1mR ... 6.9mR	1%; 5%	0,5; 1	25
	7mR ... 15mR	0.5%; 1%; 5%	0,5; 1	25
	15.1mR ... 50mR	0.5%; 1%; 5%	0,5; 1	15
2010	0.5mR ... 3.0mR	1%; 5%	1	50
	3.1mR ... 6.9mR	0.5%; 1%; 5%	1	25
	7mR ... 100mR	0.5%; 1%; 5%	1	15
2512	0.5mR ... 3.0mR	1%; 5%	1	50
	3.1mR ... 6.9mR	1%; 5%	1	25
	7mR ... 100mR	0.5%; 1%; 5%	1	15
	0.5mR ... 3.0mR	1%; 5%	1.5	50
	3.1mR ... 6.9mR	1%; 5%	1.5	25
	7mR ... 100mR	0.5%; 1%; 5%	1.5	15
	0.5mR ... 3.0mR	1%; 5%	2	50
	3.1mR ... 6.9mR	1%; 5%	2	25
	7mR ... 75mR	0.5%; 1%; 5%	2	15
	0.5mR ... 1.5mR	1%; 5%	3	50
	1.6mR ... 6.9mR	1%; 5%	3	25
	7mR ... 10mR	0.5%; 1%; 5%	3	25
2725	0.25mR ... 0.9mR	1%; 5%	4	50
	1mR ... 3mR	1%; 5%	4	25
2728	4mR ... 7mR	0.5%; 1%; 5%	3	25
	7.1mR ... 100mR	0.5%; 1%; 5%	3	15
	4mR ... 7mR	0.5%; 1%; 5%	3.5	25
	7.1mR ... 100mR	0.5%; 1%; 5%	3.5	15
	4mR ... 7mR	0.5%; 1%; 5%	4	25
	7.1mR ... 50mR	0.5%; 1%; 5%	4	15

²⁾ Required total solder pad trace size: 1W: 100 mm²; 1.5W: 200 mm²; 2-3.5W: 300 mm²; 4W: 400 mm²

Max. operating current $I = \sqrt{P/R}$, max. operating Voltage $V = \sqrt{P \cdot R}$

More data on request