

High Value Resistors radial leaded
Type: GST
Size: 1210, 25, 2512, 4020



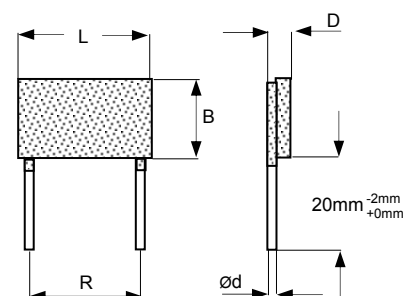
Features:

- High Value Resistors in Thickfilm
- Variable lead spacing
- Resistance values up to 1 Teraohm
- Excellent values of tolerance, TCR and VCR
- Untrimmed for higher Working Voltage

Dimensions:

Size	L	B	D	R	d
1210	3.2	2.5	0.9	2.0	0.40 ^{±0.05}
25	3.8	5.0	1.0	2.5	0.40 ^{±0.05}
2512	6.3	3.5	1.0	5.5	0.40 ^{±0.05}
4020	10.2	5.1	1.0	9.5	0.40 ^{±0.05}

L = Length, B = Width, D = Thickness, d = Wire diameter (in mm),
R = Standard lead spacing (other spacing possible by bending)
Tolerance of dimensions: ±0.2 mm



Packaging:

Bulk in plastic bags or cardboard-boxes
Minimum quantity: 100 pieces per value

Ordering Data:

Type – value – tolerance – TCR – measuring voltage
Example: GST 4020 10G ±10% TCR 100 20V

If no data for TCR and measuring voltage are supplied, the standard value (highest value in the table on next page) and measuring voltage of 10V is used.

High Value Resistors radial leaded

Type: GST

Size: 1210, 25, 2512, 4020



Technical data – depending on size:

Size	1210	25	2512	4020
Power Rating P_{70} (W) ($P_{125} = 0W$)	0.5	0.7	1.0	2.0
Working Voltage U_{-} , U_{eff} (V) trimmed untrimmed (Tol. $\geq 5\%$)	300 1000	300 500	1200 2500	4000 6000

Ranges/Tolerances/TCR ¹⁾ /VCR ²⁾				
1M – 100M	0.5/1/2/5/10% TC 25/50/100 <50 ppm/V	2/5/10% TC 50/100 <50 ppm/V	0.5/.../10% TC 25/50/100 <10 ppm/V	0.25/.../10% TC 25/50/100 <5 ppm/V
>100M – 500M	2/5/10/20% TC 50/100/250 <100 ppm/V	5/10/20% TC 100/250 <100 ppm/V	1/2/5/10/20% TC 25/50/100 <25 ppm/V	0.5/1/2/5/10/20% TC 25/50/100 <10 ppm/V
>100M – 1G	5/10/20% TC 100/250 <100 ppm/V	5/10/20% TC 100/250 <100 ppm/V	1/2/5/10/20% TC 100/250 <25 ppm/V	1/2/5/10/20% TC 25/50/100 <10 ppm/V
>1G – 10G	5/10/20/30% TC 250/500 <500 ppm/V	10/20/30% TC 250/500 <500 ppm/V	2/5/10/20% TC 100/250 <100 ppm/V	2/5/10/20% TC 50/100 <25 ppm/V
>10G – 100G	5/10/20/30% TC 500/1000 <1000 ppm/V	10/20/30% TC 500/1000 <1000 ppm/V	5/10/20/30% TC 250/500 <250 ppm/V	5/10/20/30% TC 100/250 <100 ppm/V
>100G – 1T	–	–	10/20/30/50 TC 500/1000 <500 ppm/V	5/10/20/30% TC 250/500 <250 ppm/V

¹⁾ TC25/50: Temperature range +25°C...+85°C

²⁾ VCR measured between 10V and 100V

Closer values of tolerances, TCR and VCR or other dimensions on request and agreement.

Technical data – general:

Temperature range	-55°C ... +125°C
Climatic category acc. to IEC 60068	55/125/56

Long term stability	≤1G	≤10G	>10G
Storage 125°C/1000h	<1%	<2%	<5%
Max voltage/1000h	<0.5%	<1%	<2%

Issue 09/04