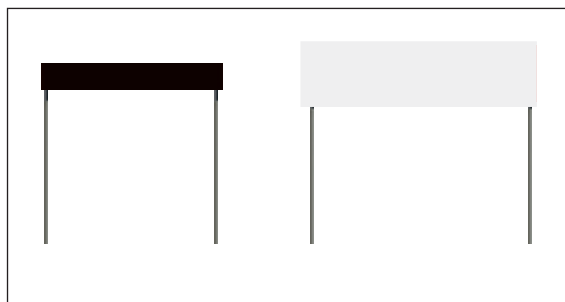
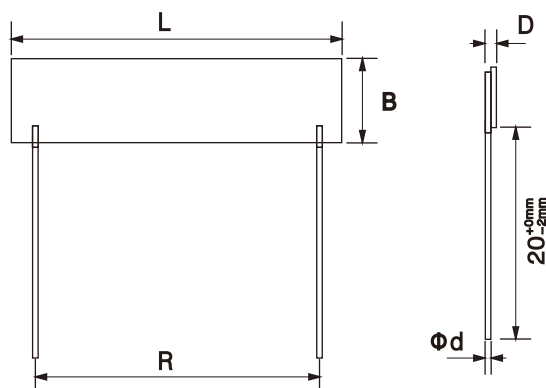




● Features

- I High voltage resistors in thick film
- II Variable lead spacing by bending
- III Resistance values up to 10 Tera Ohm
- IV Low values of TCR and VCR

● Dimensions



Type	Power(W) @70°	Dimensions(mm)				
		L	B	D	R	d
GST 1210	0.5W	3.2	2.5	0.9	2.0	0.40 ± 0.05
GST 2510	0.7W	3.8	5.0	1.0	2.5	0.40 ± 0.05
GST 2512	1W	6.3	3.5	1.0	5.5	0.40 ± 0.05
GST 4020	2W	10.2	5.1	1.4	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: ± 0.5mm

● Ordering Information

Example:

GST	1W	F	100K0	C3	V1
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Power Rating	Resistance Tolerance	Resistance	TCR	VCR

(1)Type: GST SERIES

(2)Power Rating: 0.5W 0.7W 1W 2W

(3)Tolerance: F= 1 ± %、J ± 5 %、

(4) Resistance Value: 1M=1M、100M=100M、1T=1T

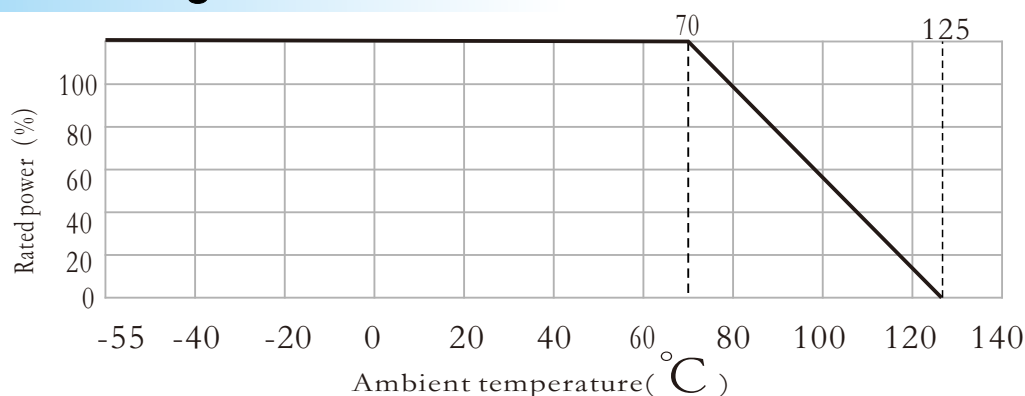
(5)TCR: C3= ± 25ppm、C2= ± 50ppm、C1= ± 100ppm、

(6)VCR: V1= ± 2ppm、V2= ± 5ppm、V3= ± 20ppm、V4= ± 50ppm、

● Reference Standards

JISC 5201-1

Derating Curve



Applications And Ratings

Type	Rating Power (W)	Max. Working Voltage		Resistance Range/Tolerance/TCR ¹ /VCR ²				
		trimmed	untrimmed	1M-100M	>100M-500M	>500M-1G	>1G-10G	>10G-100G
GST1210	0.5W	300V	1000V	1/2/5/10% TC/50/100 <50ppm/V	2/5/10/20% TC/100/250 <100ppm/V	5/10/20% TC/100/250 <100ppm/V	5/10/20%/30% TC/250/500 <500ppm/V	5/10/20%/30% TC/500/100 <1000ppm/V
GST2510	0.7W	300V	500V	2-10% TC/50/100 <50ppm/V	5-20% TC/100/250 <100ppm/V	5-20% TC/100/250 <100ppm/V	10-30% TC/250/500 <500ppm/V	10-30% TC500/100 <1000ppm/V
GST2512	1W	1200V	2500V	1-10% TC25/50/100 <10ppm/V	1-20% TC/25/50/100 <25ppm/V	1-20% TC/100/250 <25ppm/V	2-20% TC/100/250 <100ppm/V	5-30% TC250/500 <250ppm/V
GST4020	2W	4000V	6000V	1-10% TC/25/50/100 <5ppm/V	1-20% TC/25/50/100 <10ppm/V	1-20% TC25/50/100 <10ppm/V	2-20% TC/50/100 <25ppm/V	5-30% TC250/500 <250ppm/V

Note: 1)TCR25/50:Temperature range+25°C ~+85°C

2) VCR measured between 10V and 100V

Closed values of tolerance, TCR and VCR, other dimensions or voltage dividers on request and agreement

Performance

TEST ITEM	SPECIFICATIONS	
Temperature range	-55°C ~+125°C	
Climatic category toIEC60068	55/125/56	
Humidity-/contact protection	Lacquer coating	
Long term stability	≤ 10G	> 10G
Storage125°C /1000h	<1%	<2%
Max. voltage/1000h	<1%	<2%