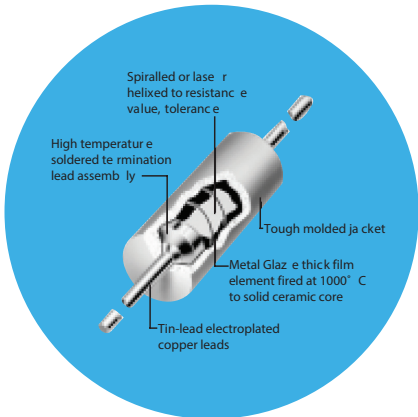


Thick Film
Metal Glaze™ Resistor

GF Series

- Rugged molded jacket
- Flame resistant construction
- Metal Glaze™ thick film element
- High temperature soldered termination



 All Pb-free parts comply with EU Directive 2011/65/EU (RoHS2)

Electrical Data

IRC Type	Flamability	Marking	Tolerance (±%)	T.C. (ppm/°C)	IRC Power Rating (watts @ °C)
GF-55 GF-07	Flame Resist ¹ Flame Resist ¹	Stamp Stamp	1 2, 5	50*, 100 100	1/2W @ 70°C 1/2W @ 70°C
GF-60 GF-20	Flame Resist ¹ Flame Resist ¹	Stamp Stamp	1 2, 5	50*, 100 100	3/4W @ 70°C 3/4W @ 70°C
GF-3	Flame Resist ¹	Stamp	1, 2, 5	200	2W @ 70°C 3W @ 25°C

*T.C. of 50 ppm/°C on values of 10 ohms or greater.

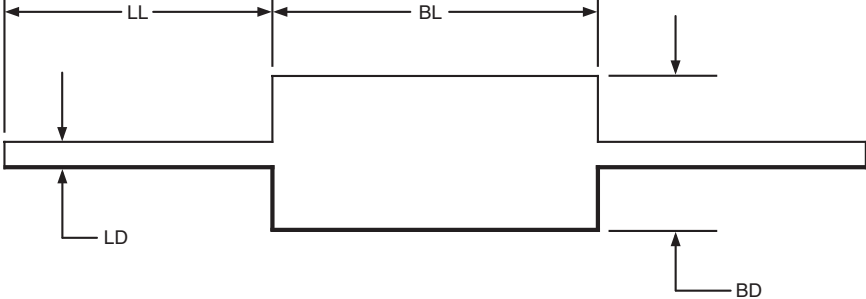
IRC Type	Maximum Voltage Rating	IRC Resistance Range (ohms)	MIL Resistance Range (ohms)	Nominal Size	Dimension Code
GF-55 GF-07	250 250	0.4 to 2M 0.4 to 2M	- -	1/4W 1/4W	3 3
GF-60 GF-20	350 350	0.4 to 2M 0.4 to 2M	- -	1/2W 1/2W	4 4
GF-3	750	1 to 2M	-	3W	5

NOTE: ¹Contact factory for details of flame-resistant specification.

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Physical Data



Dimensions						
Dim Code	Nominal Size	Body Length BL	Body Diameter BD	Lead Length LL	Lead Diameter LD	Clean Lead
3	1/4	0.250 ± 0.015 (6.4 ± 0.4)	0.090 ± 0.008 (2.3 ± 0.2)	0.150 ± 0.125 (38.1 ± 3.2)	0.025 ± 0.002 (0.64 ± 0.05)	0.310 (7.9)
4	1/2W	0.390 ± 0.010 (9.9 ± 0.3)	0.140 ± 0.008 (3.8 ± 0.2)	0.150 ± 0.125 (38.1 ± 3.2)	0.025 ± 0.002 (0.64 ± 0.05)	0.450 (11.4)
5	3W	0.515 ± 0.010 (13.1 ± 0.3)	0.225 ± 0.008 (5.7 ± 0.2)	0.150 ± 0.125 (38.1 ± 3.2)	0.032 ± 0.002 (0.81 ± 0.05)	0.575 (14.6)

Ordering Data

Sample Part No. **GF** - **20** **D** **1002** **F**

MIL Style
GS = Fixed film resistor. High stability

Power Rating
07 = 1/2 watt
20 = 3/4 watt
3 = 3 watt

T.C. Characteristics
D = ±100 ppm/°C
C = ±50 ppm/°C

Resistance
First three digits represent significant figures; fourth digit is number of zero's.

Tolerance
F = ±1%, G = ±2%, J = ±5%