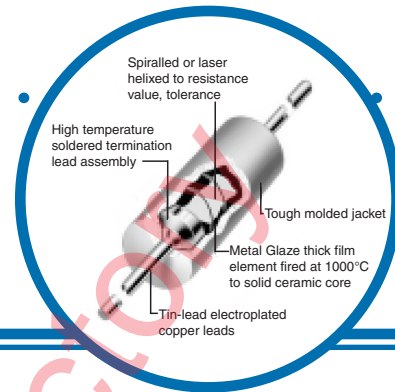


# Thick Film Metal Glaze™ Resistor

## GF Series

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



## Electrical Data

IRC Type	Flamability	Marking	Tolerance (±%)	T.C. (ppm/°C)	IRC Power Rating (watts @ °C)
GF-55	Flame Resist <sup>1</sup>	Stamp	1	50*, 100	1/2W @ 70°C
GF-07	Flame Resist <sup>1</sup>	Stamp	2, 5	100	1/2W @ 70°C
GF-60	Flame Resist <sup>1</sup>	Stamp	1	50*, 100	3/4W @ 70°C
GF-20	Flame Resist <sup>1</sup>	Stamp	2, 5	100	3/4W @ 70°C
GF-3	Flame Resist <sup>1</sup>	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	250	0.4 to 2M	-	1/4W	3
GF-07	250	0.4 to 2M	-	1/4W	3
GF-60	350	0.4 to 2M	-	1/2W	4
GF-20	350	0.4 to 2M	-	1/2W	4
GF-3	750	1 to 2M	-	3W	5

NOTE: <sup>1</sup>Contact factory for details of flame-resistant specification.

### General Note

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

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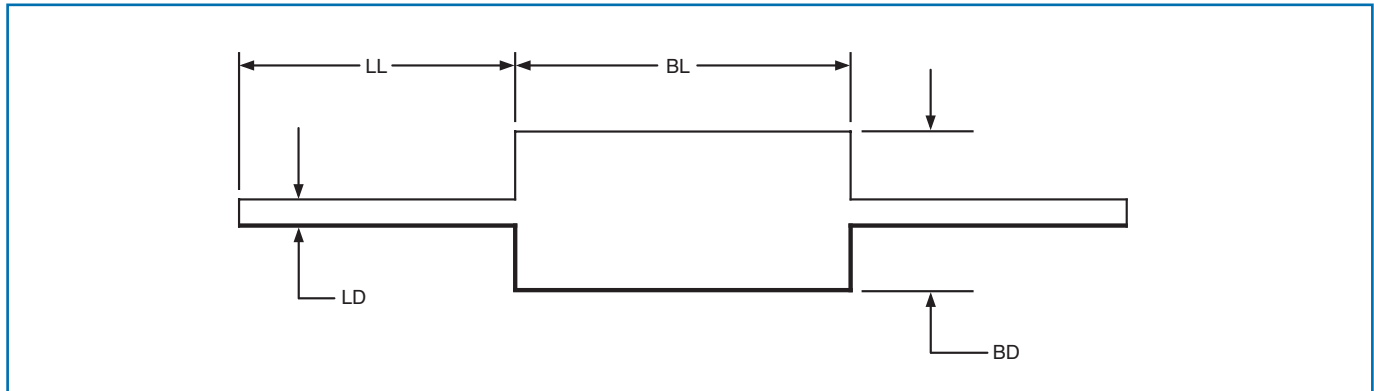


A subsidiary of  
TT electronics plc

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## 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%