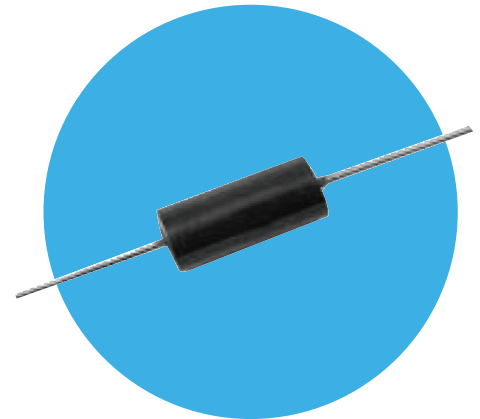


## Thick Film Semi-Precision Metal Glaze™ Power Resistors

### GS-3 Series

- Superior surge performance
- Resistance range from 1Ω - 3MΩ
- Standard tolerances of ±1%, ±2%, ±5%
- Power rating of 3W @25°C; 2W @70°C
- Effective as carbon composite replacement



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

### Electrical Data

Part Number	Power Rating (Watts)	Resistance Range (Ohms)	Tolerance (±%)	TCR (±ppm/°C)	Maximum Operating Voltage (Volts)	Dielectric Withstanding Voltage (Volts)
GS-3	2.0 (@ 70°C) 3.0 (@ 25°C)	1.0 - 3M	1, 2, 5	50 (>10Ω) 100, 200 (≥ 1Ω)	1000	1000

### Environmental Data

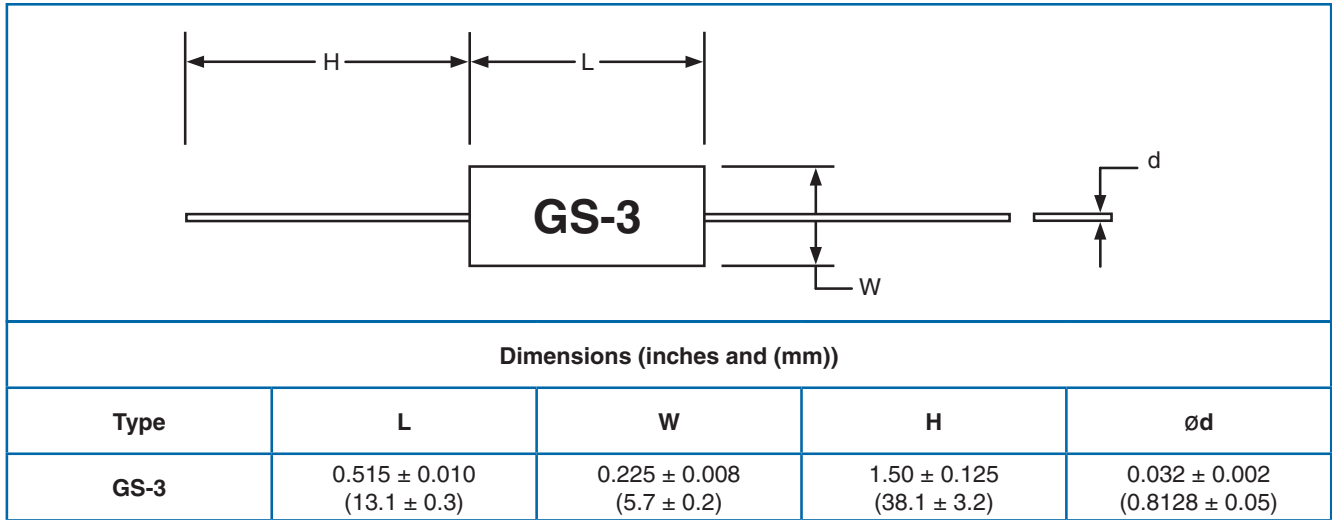
Test		Maximum ΔR Limits			
		MIL-R-26	MIL-R-10509D	MIL-R-22684	GS-3
TCR	±ppm/°C	30	100	200	100/50
Load life	%ΔR	0.5	1.0	2.0	2.0
Short term overload	%ΔR	0.20	0.50	0.50	0.20
Moisture	%ΔR	0.20	1.50	1.50	0.40
Temperature Cycling	%ΔR	0.20	0.50	-	0.20
Solder Effect	%ΔR	-	0.50	0.50	0.20
Termination Strength	%ΔR	0.10	0.20	0.50	0.10
Shock	%ΔR	0.10	0.50	0.50	0.10
Vibration	%ΔR	0.10	0.50	0.50	0.10
Operating Temperature		-55°C to +175°C			

#### General Note

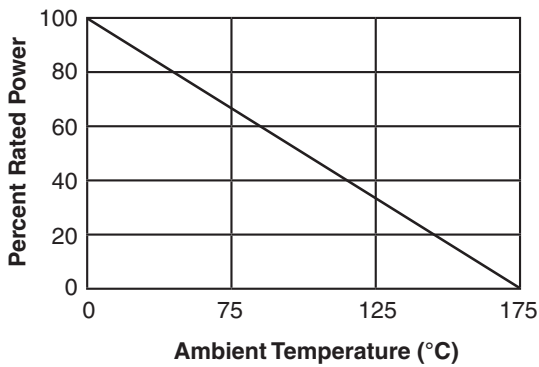
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GS-3 Series

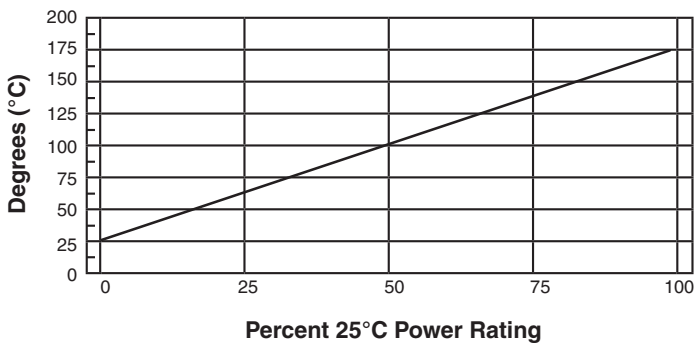
## Physical Data



## Power Derating Chart



## Hot Spot Temperature +25°C Ambient

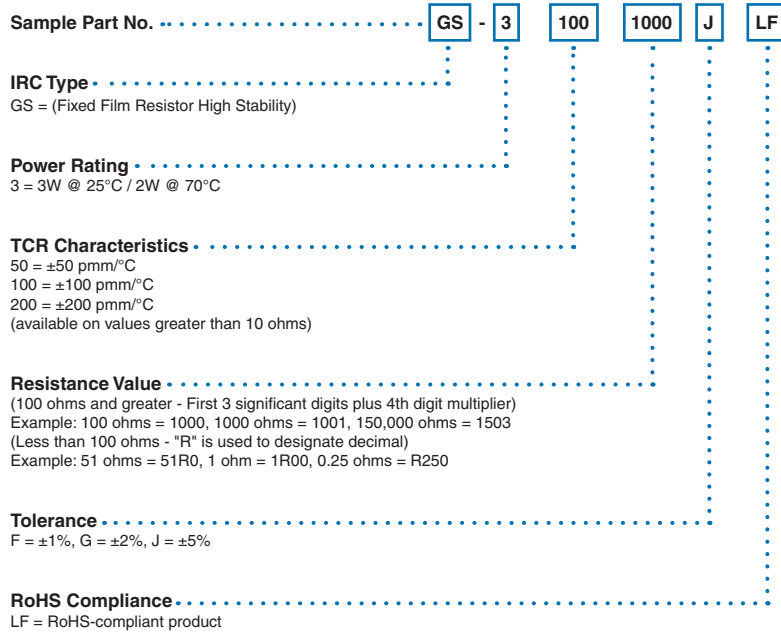


**General Note**

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**GS-3 Series**

## Ordering Data



### General Note

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[M8340107K1152FGD03](#) [M8340107K2701GCD03](#) [M8340107M2002GCD03](#) [M8340108K1000GCD03](#) [M8340108K5601GCD03](#)  
[M8340108M2203GCD03](#) [M8340109K1002JCD03](#) [M8340109K2001GCD03](#) [M8340109K5101GGD03](#) [FHV05010M0FKRB](#) [MOX-2-125005F](#) [MP850-3.00-1%](#) [MS220-1K-1%](#) [hte24511kf](#) [SM-SP093](#) [ARC3.11](#) [2M J A](#) [M8340105K1001GCD03](#) [M8340105K3002GGD03](#)  
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