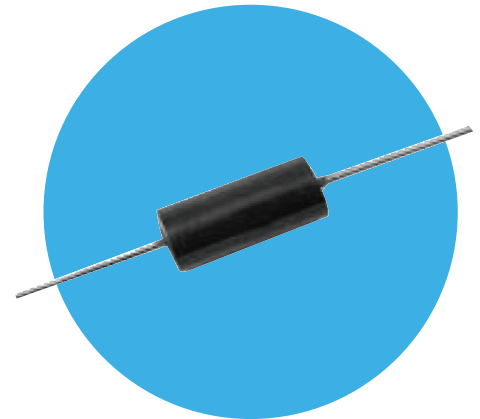


Thick Film Semi-Precision Metal Glaze™ Power Resistors

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

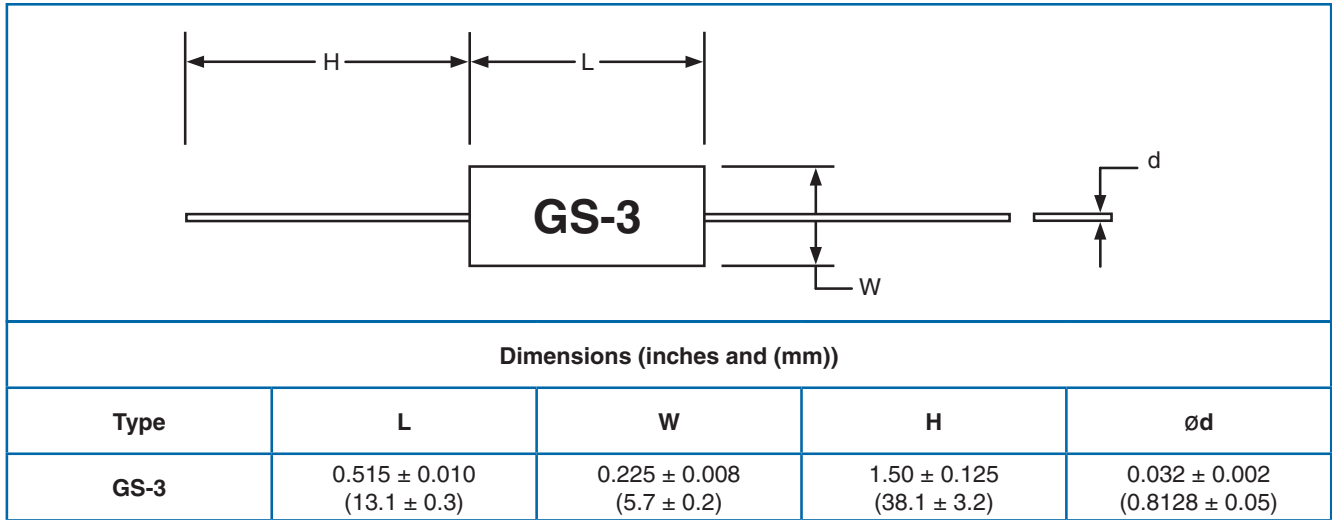
Test		Maximum ΔR Limits			
		MIL-R-26	MIL-R-10509D	MIL-R-22684	GS-3
TCR	±ppm/°C	30	100	200	100/50
Load life	%ΔR	0.5	1.0	2.0	2.0
Short term overload	%ΔR	0.20	0.50	0.50	0.20
Moisture	%ΔR	0.20	1.50	1.50	0.40
Temperature Cycling	%ΔR	0.20	0.50	-	0.20
Solder Effect	%ΔR	-	0.50	0.50	0.20
Termination Strength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

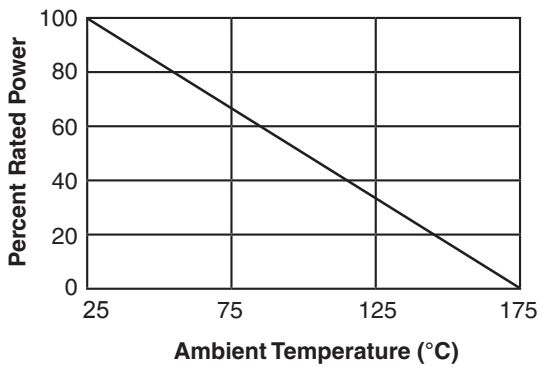
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GS-3 Series

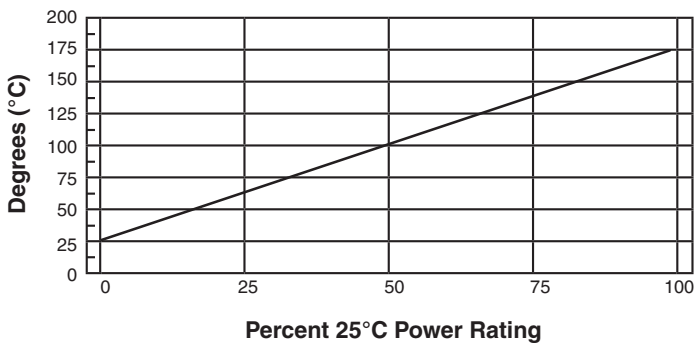
Physical Data



Power Derating Chart



Hot Spot Temperature +25°C Ambient

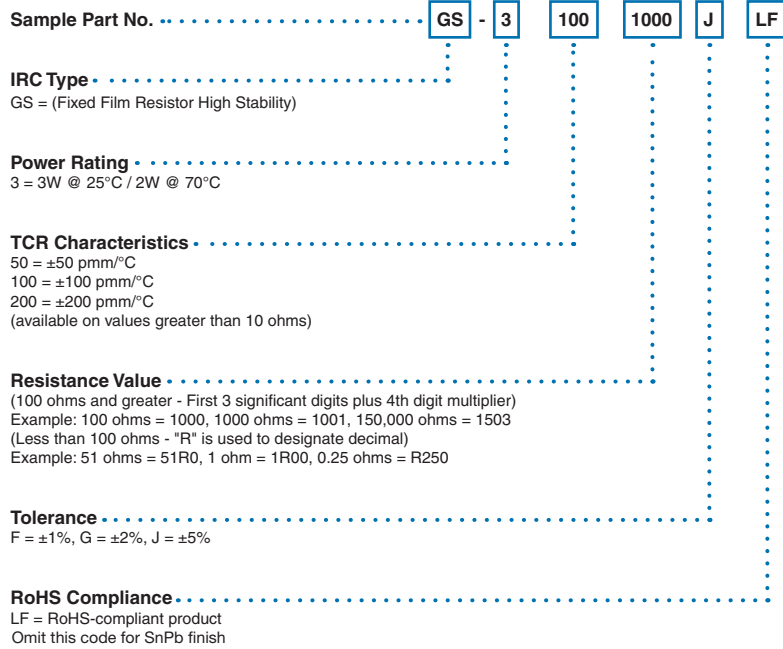


General Note

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GS-3 Series

Ordering Data



General Note

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Largest Supplier of Electrical and Electronic Components

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[SIL09E122J](#) [MP2060-150-1%](#) [SIL09E472J](#) [SIL10E103J](#) [SIL09E102J](#) [SIL09E103J](#) [SIL09E104J](#) [SIL10M183G](#) [SIL12M222J](#) [HH120150KFZ](#)
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