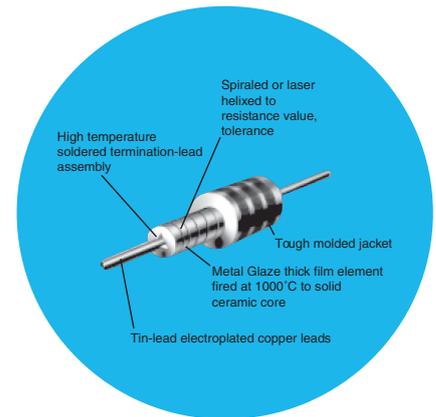


Semi-Precision Mil-Qualified Metal Glaze™ Resistor

RL Series

- MIL-R-22684
- ± 200 ppm/°C
- 1/4 watt to 1/2 watt
- 2% and 5% tolerance
- 4.3 ohms to 470K ohms



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

Electrical Data

MIL Type	Marking	Tolerance (±%)	T.C. (ppm/°C)	Power Rating (watts)	Resistance Range (ohms)*	Nominal Size	Max Voltage Rating
RL07	Band	2, 5	200	1/4 @ 70°C	51 to 150K	1/4W	250
RL20	Band	2, 5	200	1/2 @ 70°C	4.3 to 470K	1/2W	350

* For values below or above Mil Resistance, the **Non-Mil** part can be used. But keep in mind -- it is a non-mil part.

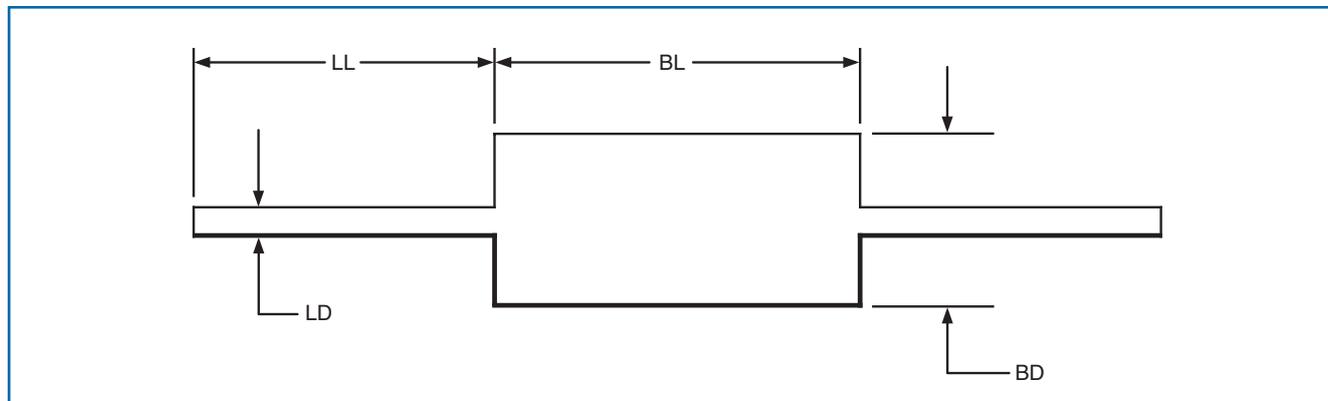
Environmental Data

Test Conditions	MIL-R-22684 Test Limits Allowed	RL07 Max. %ΔR (±3σ)
Temperature Coefficient (ppm/°C)	±200	±200
Low Temperature Operation	±0.50%	±0.10%
Thermal Shock	±1.00%	±0.15%
Moisture Resistance	±1.5%	±0.05%
Short Time Overload	±0.50%	±0.10%
Load Life (70°C --- 1/4W) 1000 hours	±2.00%	±0.40%
Terminal Strength	±0.50%	±0.10%
Effect of Soldering	±0.50%	±0.10%
Shock	±0.50%	±0.05%
Vibration	±0.50%	±0.05%
High Temperature Exposure (150°C No Load)	N/A	±0.75%
Rated Power for 10,000 hours at 70°C	N/A	±0.60%
Temperature Rise @ 1/4W Power Load	-	See Temperature Rise Chart
Dielectric Strength	±0.50%	±0.05%

General Note

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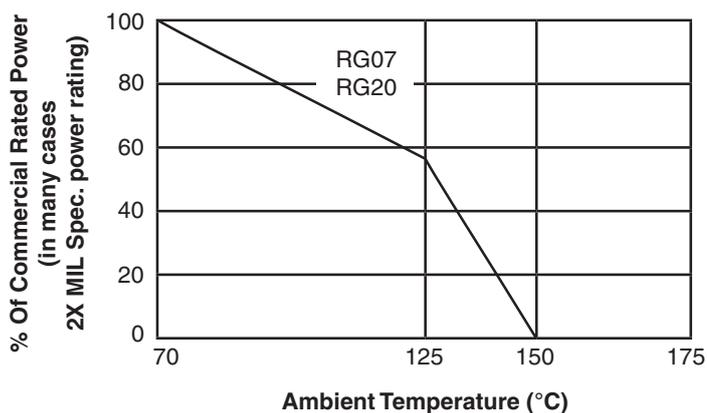
Physical Data



Dimensions (Inches and (mm))

Nominal Size	Body Length BL	Body Diameter BD	Lead Length LL	Lead Diameter LD	Clean Lead
1/4 watt	0.250 ±0.015 (6.4 ±0.4)	0.090 ±0.008 (2.3 ±0.2)	1.50 ±0.125 (38.1 ±3.2)	0.025 ±0.002 (0.64 ±0.05)	0.310 (7.9)
1/2 watt	0.390 ±0.010 (9.9 ±0.3)	0.140 ±0.008 (3.6 ±0.2)	1.50 ±0.125 (38.1 ±3.2)	0.032 ±0.002 (0.81 ±0.05)	0.450 (11.4)

Commercial Power Derating Chart

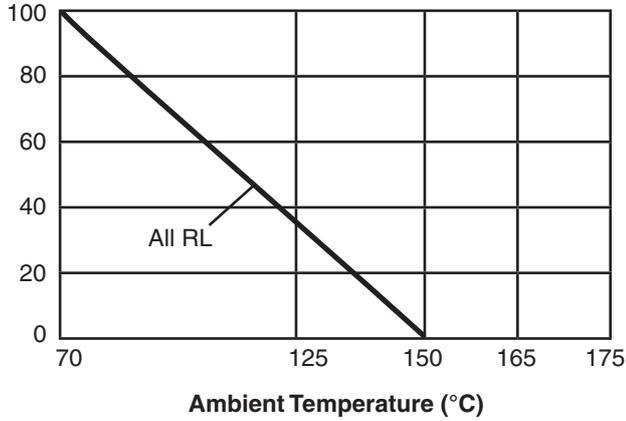


General Note

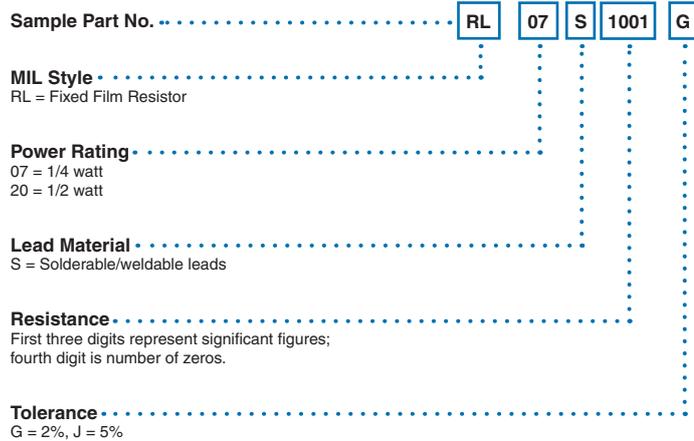
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RL Series

MIL Spec. Power Derating Chart



Ordering Data



General Note

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