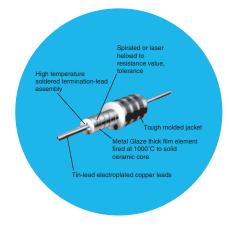
Resistors Obsolete

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. %∆R (±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

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.

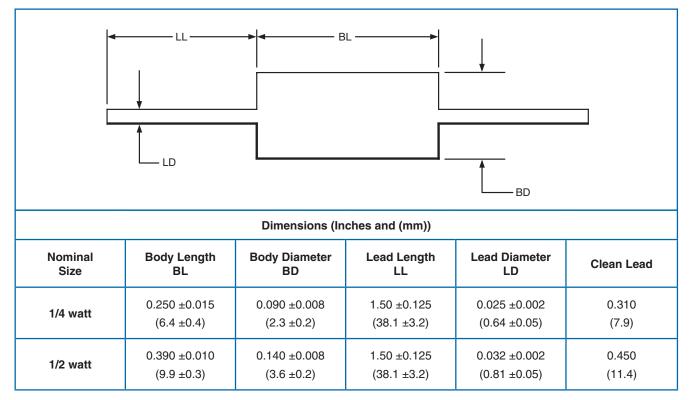
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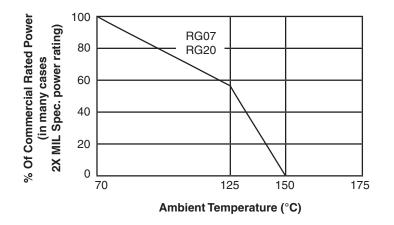
Electronics Make Possible

RL Series

Physical Data



Commercial Power Derating Chart



General Note

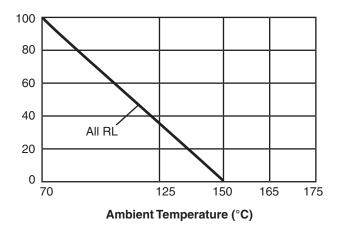
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RL Series

MIL Spec. Power Derating Chart



Ordering Data

Sample Part No	• RL	07	s	1001	G
MIL Style • RL = Fixed Film Resistor			:		
Power Rating	• • • • • •				
20 = 1/2 watt					
S = Solderable/weldable leads Resistance					•
First three digits represent significant figures; fourth digit is number of zeros.					
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	••••	••••	••••	•••••	:

General Note

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