



Series: RL

FEATURES

Current Sensing of Desktop & Notebook PC

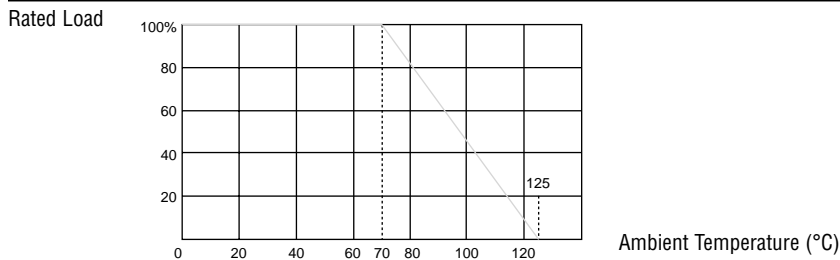
Resistance Values Down to 0.010 Ohms

Highly Reliable Multilayer Electrode Construction

Low Inductance

High Speed Logic Circuits

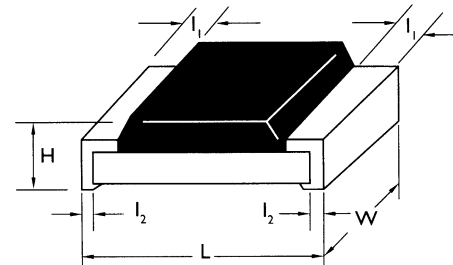
DERATING CURVE



DIMENSIONS

Unit: mm

STYLE	L	W	H	I1	I2
RL210 (0805)	2.00±0.10	1.25±0.10	0.50±0.10	0.40±0.20	0.40±0.20
RL315 (1206)	3.10±0.10	1.60±0.10	0.55±0.10	0.50±0.20	0.50±0.25
RL350 (1210)	3.10±0.10	2.60±0.10	0.55±0.10	0.50±0.20	0.50±0.25
RL500 (2010)	5.00±0.10	2.50±0.15	0.55±0.10	0.60±0.25	0.40±0.20
RL1000 (2512)	6.35±0.10	3.20±0.15	0.55±0.10	0.60±0.25	0.40±0.20



ELECTRICAL CHARACTERISTICS

STYLE	RL210 (0805)	RL315 (1206)	RL350 (1210)	RL500 (2010)	RL1000 (2512)
Power Rating at 70°C	1/8W	1/4W	1/3W	3/4W	1W
Operating Temp. Range	-55°C to +125°C				
Derated to 0 Load at	+125°C				
Resistance Range	0.01Ω ~ 1Ω				
Temperature Coefficient	±600ppm/°C				
Resistance Tolerance	±1%, ±2%, ±5%				

ENVIRONMENTAL CHARACTERISTICS

PERFORMANCE TEST	TEST METHOD		APPRAISE
Temperature Coefficient	MIL-STD-202F, Method 304	-55°C to +125°C	±600ppm/°C
Thermal Shock	MIL-STD-202F, Method 107	5 Cycles, -55°C to +125°C (Step by Step 2 min)	±1%
Low Temperature Operation	MIL-R-55342D, Para. 4.7.4	One Hour at -65°C Followed by 45 Minutes RCWV	±1%
Short Time Overload	MIL-R-55342D, Para. 4.7.5	2.5 Times RCWV for 5 Seconds	±1%
Insulation Resistance	MIL-STD-202F, Method 302	RCOV for 1 Minute	10000MΩ
Dielectric Withstand Voltage	MIL-STD-202F, Method 301	R.M.S. for 1 Minute	by Type
Resistance to Soldering Heat	MIL-STD-202F, Method 210C	Soldered to Test Board at 260°C for 10 Seconds	±1%
Moisture Resistance	MIL-STD-202F, Method 106F	42 Cycles. Total 1000 Hours	±2%
Life	MIL-STD-202F, Method 108G	1000 Hours at 70°C RCWV Intermittent	±2%
Solderability	MIL-STD-202F, Method 208G	230°C for 5 Seconds	95% min. coverage