

Low Value Chip Resistors

RL Series



FEATURES

Current Sensing of Desktop & NoteBook PC

Resistance Values Down to 0.010 Ohms

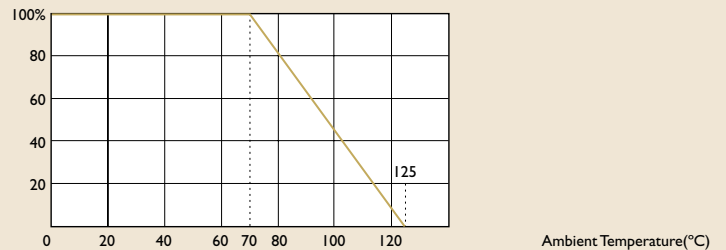
Highly Reliable Multilayer Electrode Construction

Low Inductance

High Speed Logic Circuits

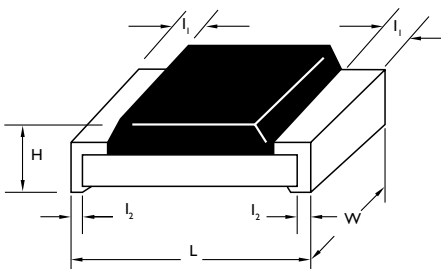
DERATING CURVE

Rated Load



DIMENSIONS

Unit : mm



STYLE	L	W	H	l ₁	l ₂
RL0603	1.60±0.10	0.80±0.10	0.45±0.10	0.25±0.15	0.25±0.15
RL0805	2.00±0.10	1.25±0.10	0.50±0.10	0.35±0.20	0.35±0.20
RL1206	3.10±0.10	1.60±0.10	0.55±0.10	0.45±0.25	0.40±0.25
RL1210	3.10±0.10	2.60±0.15	0.55±0.10	0.50±0.20	0.50±0.20
RL2010	5.00±0.10	2.50±0.15	0.55±0.10	0.60±0.20	0.50±0.20
RL2512	6.35±0.10	3.20±0.15	0.55±0.10	0.60±0.20	0.50±0.20

Note :

ELECTRICAL CHARACTERISTICS

STYLE	RL0603	RL0805	RL1206	RL1210	RL2010	RL2512
Power Rating at 70°C	1/10w	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	0.1Ω ~ 1Ω	0.02Ω ~ 1Ω	0.01Ω ~ 1Ω			
Temperature Coefficient	±600ppm/°C	±1500ppm/°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	by Type
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 -55°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	>10GΩ
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% Coverage