

Ultra Low Chip Resistors

Performance Specification

Short Time Overload	black coating: $\pm 0.5\%$ Max; green coating: $\pm 1\%$ Max
Thermal Shock	black coating: $\pm 0.5\%$ Max; green coating: $\pm 1\%$ Max
Load Life	$\pm 1\%$ Max
Solderability	Min. 95% coverage.
Resistance to Soldering Heat	black coating: $\pm 0.5\%$ Max; green coating: $\pm 1\%$ Max

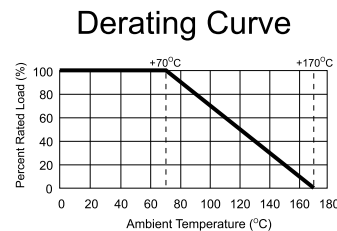
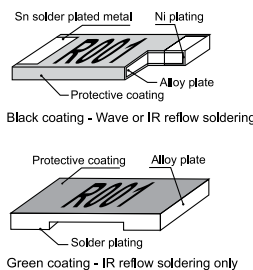
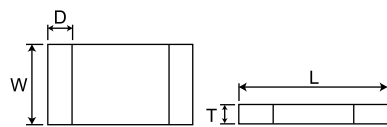
Ordering Procedure: Ex.: LR12, 100PPM, +/-1%, 5mΩ T/R-2000 1W

L	R	1	2	A	0	F	5	0	0	N	T	2	A			
Resistor Size: LR06 = 1206 LR10 = 2010 LR12 = 2512				Temperature Coefficient: 50 = 50ppm 75 = 75ppm A0 = 100ppm A5 = 150ppm A7 = 275ppm			Resistance value: <ul style="list-style-type: none"> E-24 series: 1st digit is "0" 2nd & 3rd digits are significant figures of the resistance 4th indicates the number of zeros E-96 series: 1st to 3rd digits are significant figures of the resistance 4th digit indicates the number of zeros. "J" ~ 0.1, "K" ~ 0.01, "L" ~ 0.001, "M" ~ 0.0001, "N" ~ 0.00001 Ex. 020J ~ 20mΩ, 500N ~ 5mΩ 				Tolerance: F = $\pm 1\%$ G = $\pm 2\%$ J = $\pm 5\%$		Packing Type: T = Tape/Reel		Packing Qty: 2 = 2,000 pcs.	

Features

- High power rating up to 3 watts
- Low T.C.R. until ± 50 PPM
- Low resistance values, from 0.5mΩ to 15mΩ
- Wide range package size 1206 / 2010 / 2512
- Tolerance : $\pm 1\%$, $\pm 2\%$, $\pm 5\%$

Dimension



Wattage:
 A=1W, B=1.5W, C=2W,
 D=2.5W, E=3W

Type	Power Rating at 70°C	T.C.R. PPM/°C	Resistance Range (mΩ)	Dimension (mm)				Color	Soldering
				L	W	T	D		
Standard									
LR06 (1206)	1W	± 200 ± 50	0.5 0.75 ~ 10	3.20 \pm 0.254	1.60 \pm 0.104	0.60 \pm 0.20	0.980 \pm 0.380	Black	IR reflow
LR12 (2512)	1W	± 150	2.5,3	6.35 \pm 0.254	3.18 \pm 0.254	Depends on value	Depends on value	Black	Wave or IR reflow
		± 100	4,5,10					Black	Wave or IR reflow
		± 75	6,6,5,7					Black	Wave or IR reflow
		± 50	0.5,0.75,1,1.5,2					Black	Wave or IR reflow
		± 50	11,12,13,14,15					Green	IR reflow
High Power Rating									
LR10 (2010)	1.5W	± 200 ± 50	0.5 0.75 ~ 10	5.08 \pm 0.254	2.54 \pm 0.15	0.60 \pm 0.20	1.665 \pm 0.625	Black	IR reflow
LR12 (2512)	2.0W	± 150	2.5,3	6.35 \pm 0.254	3.18 \pm 0.254	Depends on value	Depends on value	Black	Wave or IR reflow IR reflow
		± 100	4,5,10					Black	
		± 75	6,6,5,7					Black	
		± 50	0.5,0.75,1,1.5,2					Black	
	2.5W	± 50	6.5,7,8,9,10					Green	IR reflow
		± 50	4,4,5,5,6					Green	
		± 100	0.5,0.75,					Green	
3W	± 50	1,1.5,2,3							

Note: LR12 2W special TCR available case by case on basis.
 Standard Operating Temp (°C): -55~+170

