

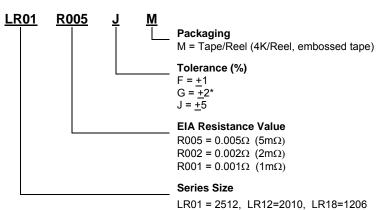
METAL FOIL CURRENT SENSE RESISTORS

GreenCity AAC (s) The content of this specification may change without notification 09/01/08

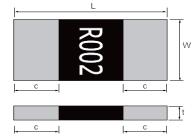
LR Series - Metal Foil Current Sense Resistor

Custom solutions are available.

HOW TO ORDER



*AAC has the ability to manufacture +2% tolerance as an option based on customer's requirement.



Over-Coat Ni / Sn Plating Metal Foil

FEATURES

- Ultra Low Resistances (down to 1mΩ)
 Suitable for large current detecting
- Extremely low TCR
- Over coating: Molding compound UL-94 V-0 grade

APPLICATIONS

- Power unit (VRM) for CPU
- Battery charges
- Power Supply
- DC/DC converter

DIMENSIONS (mm)

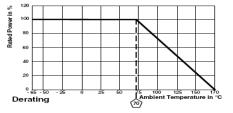
Size	L	W	а	t
2512	$\textbf{6.4} \pm \textbf{0.2}$	$\textbf{3.2}\pm\textbf{0.2}$	2.0 ± 0.2 (≤2mΩ) 0.9 ± 0.2 (>mΩ)	$0.6\pm\ 0.2$
2010	5.0 ± 0.2	2.5 ± 0.2	$0.6\pm\ 0.3$	$0.7\pm\ 0.2$
1206	3.3 ± 0.2	1.6 ± 0.2	$0.5\pm~0.2$	$0.7\pm~0.2$

RATING

Туре	LR18 = 1206 LR12 = 2010		LR01	LR01 =2512	
Power Rating	1/4W & 1/2W	1W	1W	2W	
Resistance Value	5~20m Ω	3~30m Ω	1~50m Ω	1~10m Ω	
Operation Temperature Range	-55°C~+170°C				
Temperature Coefficient of Resistance			R≤1mΩ 1mΩ <r≤10mω R>10mΩ</r≤10mω 		
Tolerance	±1%, ±2%, ±5%				
Insulation Resistance	Over 100MΩ				
Maximum Working Voltage (V)	(P*R) ^{1/2}				

DERATING CURVE

If the ambient temperature exceeds 70°C, the rated power has to be derated according to the power derating curve shown to the right.





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