

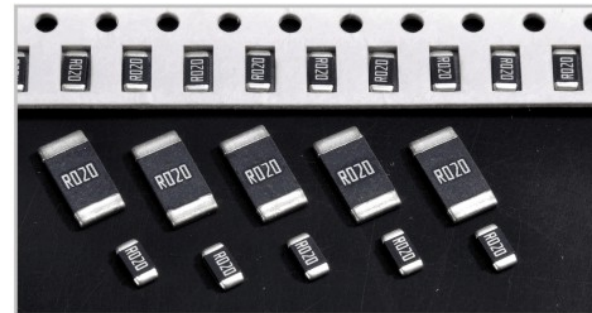
## RLM Metal Foil Current Sensing Chip Resistors

(Halogen Free)  
RoHS  
Compliant

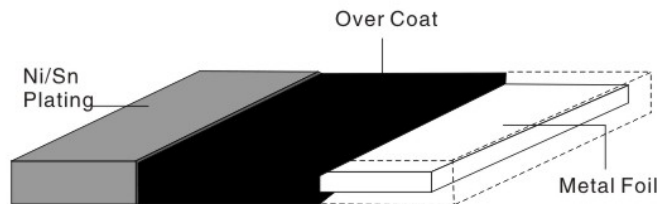
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### Features

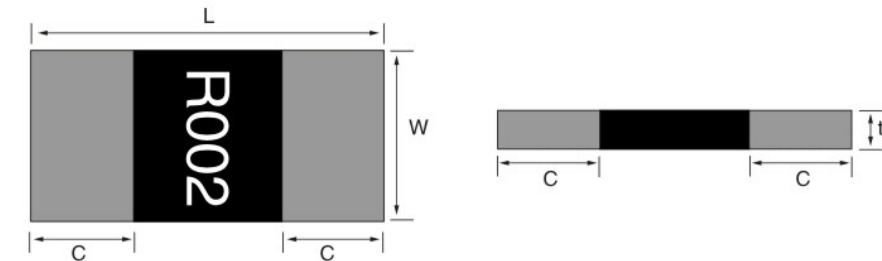
- Ultra low resistance (down to 1mΩ)  
Suitable for large current detecting
- Extremely low TCR
- Over coating: Molding compound  
UL-94 V-0 grade



### Construction



### Dimensions



Unit:mm

Type	L	W	C	t	Material
RLM12	3.20±0.20	1.60±0.20	0.50±0.30	0.60±0.20	Metal:Copper-Nickel Alloy or Copper-Manganese Alloy Over Coating:molding Compound UL-94 V-0 grade
RLM20	5.00±0.20	2.50±0.20	0.60±0.30	0.70±0.20	
RLM25	6.40±0.20	3.20±0.20	2.00±0.20(≤2mΩ) 0.90±0.20(R>2mΩ)	0.60±0.20	

### Type Designation

RLM	25	F	E	C	R002
Product Code	Size	Resistance Tolerance	Packaging	Power Rating (at 70°C)	Resistance
Current Sensing Resistors	12:1206 (3.2×1.6mm) 20:2010 (5.0×2.5mm) 25:2512 (6.4×3.2mm)	F:±1% G:±2% J:±5%	E:Embossed Tape	A=1/4W S=1/2W C=1W D=1.5W E=2W	4 Digits(E-96) e.g., R002=2mΩ 0R01=10mΩ

### Rating & Characteristic

Type	Power Ratings	Resistance Value(mΩ)	Operation Temperature Range(°C)	T.C.R(ppm/°C)	Tolerance (%)	Insulation Resistance	Maximum Working Voltage(V)
RLM12	1/4W & 1/2W & 1W	5~30	-55~+125	±275(R≤1mΩ) ±100(1mΩ < R≤10mΩ) ±75(R > 10mΩ)	±1,±2,±5	Over 100MΩ	(P*R) <sup>1/2</sup>
RLM20	1/2W & 1W	3~25					
RLM25	1W 2W	1~50 R≤10mΩ					