



Current Sensing Resistors

Low Ohmic/Value Resistors - Current Sensing - Open Air - LRA Series / 引脚电阻

LR Series are super low resistance ($2\text{m}\Omega \sim$) and suitable for high power AC/DC detection of power supply circuit. All low ohmic power type are non-inductive type and custom-made products. Please contact Token sales for more information.

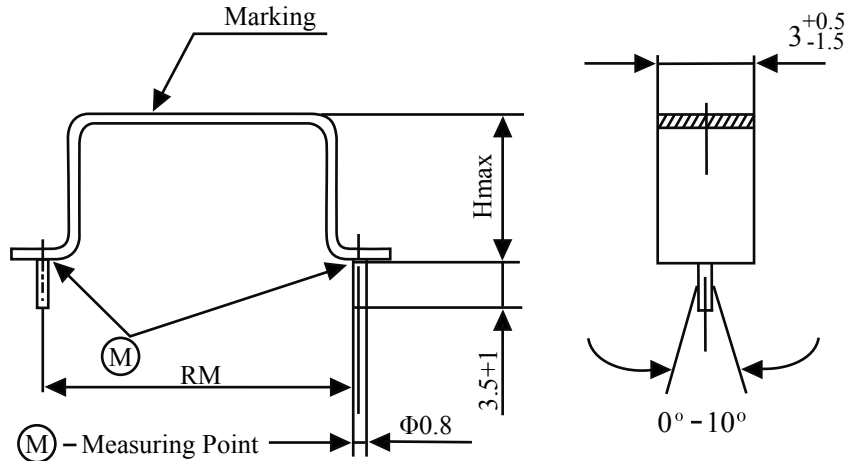
► Low Ohmic/Value Resistor Specification

Type	LRA	350-009	351-009 351-010	352-009 352-010 352-011
Power rating P70	W	0.5	1.0	1.5
Resistance range	Ω	R003~R051	R004~R068	R006~R10
E-series		E24 \geq R010		
Tolerances	%	$\pm 1, \pm 3, \pm 5, \pm 10$		
Temperature coefficient	PPM	+200~+1200		
Max. Cont. working voltage	VRMS	For all styles		
Insulation voltage (1min.)	VRMS	$\sqrt{P70 * R}$ Non insulated		
Insulation resistance	Ω	Non insulated		
Derating, linear	$^{\circ}\text{C}$	70~300(0W)		
Climatic category		55/200/56		
Temperature range	$^{\circ}\text{C}$	-50~300		
Thermal resistance	KW-1	200	100	70
Failure rate (Total , \mathbf{U}_0 max, 60% conf. lev.)	$10^{-9} * \text{h}^{-1}$	Ca.10, Depends on value		
Endurance (P70, 70,1000h)	$[\frac{\Delta R}{R}] \%$	± 3.0		
Damp heat ,steady state(40 $^{\circ}\text{C}$,93% r.h.,56d)	$[\frac{\Delta R}{R}] \%$	± 0.5		
Climatic sequence	$[\frac{\Delta R}{R}] \%$	± 0.5		
Terminal strength	$[\frac{\Delta R}{R}] \%$	± 0.5		
Terminal tensile strength	N	30		
Resistance to soldering heat (260 $^{\circ}\text{C}$,10s)	$[\frac{\Delta R}{R}] \%$	± 0.2 typ.		
Solder ability	s	2.5 Flow time, solder globule test IEC 60068-2-20-T		
Making		Value imprinted		



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► LRA Resistor Dimension (Unit: mm)



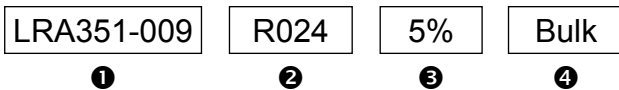
Type	H max.	RM
LRA350-009	6.5	10
LRA351-009	10.5	
LRA352-009	17.0	
LRA351-010	8.0	15
LRA352-010	14.5	
LRA352-010	16.1±1.0	14.5±1.0
LRA352-010	17.1±1.0	14.5±1.0
LRA352-011	12.0	20

Construction: The resistive elements consist of a flat metal-band. Spot welded Cu-terminals ensure high stability of contacts. Thus, this construction results in a non inductive of both high stability and overload capacity.

► LRA Series Resistor Packaging

Type	Packaging	Pieces	Pack.-Code
LRA350-009	Bulk	200pcs	Bulk
LRA351-009 LRA351-010	Bulk	200pcs	Bulk
LRA352-010 LRA352-011	Bulk	200pcs	Bulk

► Ordering Example



- ① Type
- ② Value
- ③ Tolerance
- ④ Pack. -Code