

NTC High-Precision Thermal Sensitive Chip Resistors

LR Series - Specification subject to change - Please call Factory



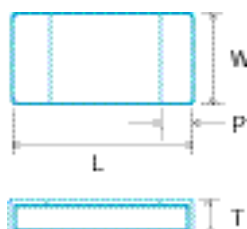
1.0 Description

Excellent linearity in negative thermal-resistance characteristics. A tight tolerance of $\pm 1\%$ at 25°C , now available along with the 0402 chip and 0201 chip are available. Our SND components contribute to lead-free composition of electronics products.

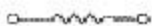


2.0 Mechanical

dimension mm



schematic



Dimension (mm)	LR0306 (0201)	LR0510 (0402)
L	0.6 ± 0.05	1.00 ± 0.05
W	0.30 ± 0.05	0.50 ± 0.05
P	0.1 ± 0.05	0.20 ± 0.1
T	0.28 ± 0.03	0.35 ± 0.05

TCR(ppm/ $^\circ\text{C}$)	-1700	-2500	-3300
LR0306	3k~10 Mohm	9.6k~10 Mohm	30k~10 Mohm
LR0510	3k~10 Mohm	9.6k~10 Mohm	30k~20 Mohm



3.0 Electrical

Type	LR0306	LR0510
Resistance Range	3K~10M (at 25°C)	3K~20M (at 25°C)
Resistance Tolerance	$\pm 1\%$	
Temperature Coefficient of Resistance	-1500~-3000	
TCR Tolerance	$\pm 200\text{ppm}/^\circ\text{C}$ or $\pm 10\%$	
Maximum Operating Voltage(V)	-55~125 $^\circ\text{C}$	



4.0 Part Number

LR	0306	302	3002	F	Resistance tolerance F: $\pm 1\%$
					Resistance in a four-digit number
					Temperature coefficient of resistance
					Dimensions
					Part Code



Manufacturer(s) of the products described on this page are indicated by their respective logos.