

## RL series, low resistance value chip resistors with short-side electrodes for high-precision current detection.



These thin film low resistance value chip resistors are offered in international standard sizes. They exhibit excellent performance in resistance, noise performance, surface heat distribution and a lower surface temperature. Useful in many current sensing applications. Available in 1/10, 1/8, 1/4, 1/2 and 1 watt package.

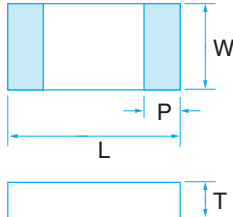
**NEW Smallest in the market** 0201 low resistance value chip resistor.

RoHS compliant



### SPECIFICATIONS

#### Mechanical



Dimension (Inch Size)	RL0603 (0201)	RL0510 (0402)	RL0816 (0603)	RL1220 (0805)	RL1632 (1206)	RL3264 (2512)
L	0.60±0.05	1.00±0.10	1.60±0.10	2.00±0.20	3.20±0.20	6.40±0.20
W	0.30±0.05	0.50±0.10	0.80±0.10	1.25±0.20	1.60±0.20	3.20±0.20
P	0.12±0.05	0.20±0.10	0.20±0.15	0.40±0.20	1.00±0.15	2.00±0.15
T	0.23±0.05	0.35±0.10	0.45±0.10	0.40±0.20	0.50±0.15	0.50±0.15

(unit : mm)

#### Electrical

Type	RL0603	RL0510	RL0816		RL1220		
Power	1/10W	1/8W	1/8W		1/4W		
Tolerance %(code)	±2%(G) ±5%(J)	±1%(F) ±2%(G)	±1%(F) ±2%(G)	±1%(F)	±1%(F) ±2%(G)		
Resistance Range(Ω)	0.1~4.7	0.05~4.7	0.02~0.091	0.1~6.8	0.01~0.039	0.043~0.091	0.1~10
TCR ppm /°C(code)	0~200(S)		0~200(S)	0~100(R) 0~200(S)	0~350(T)	0~200(S) 0~350(T)	0~100(R) 0~200(S)
Resistance Value	E-24						
Package	10,000pcs/reel			5,000pcs/reel			

- Please contact us for tolerance ±1% in RL0603.
- Please contact us for tolerance ±0.5% for 0.1Ω or more in RL0816, as well as ±0.5% for 0.047Ω or more in RL1220.

Type	RL1632					RL3264				
Power	1/2W					1W				
Tolerance %(code)	±2%(G)		±1%(F) ±2%(G)			±2%(G)		±1%(F) ±2%(G)		
Resistance Range(Ω)	0.01~0.015	0.018~0.022	0.027	0.033~0.047	0.051~4.7	0.01~0.015	0.018~0.022	0.027	0.033~0.047	0.056~0.47
TCR ppm /°C(code)	0~+500 (T)	0~+350 (T)	0~+200 (S)	±100 (R)	0~+500 (T)	0~+350 (T)	0~+200 (S)	±100 (R)		
Resistance Value	E-24					E-12				
Package	5,000pcs/reel					5,000pcs/reel				



### PART NUMBER

**RL 1220 S - 1R0 - F**

