

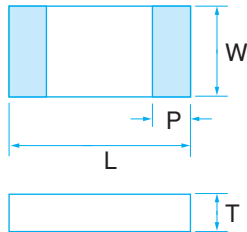
## RL series, low resistance value chip resistors with short-side electrodes for high-precision current detection.



Original resistance materials assure resistance tolerance of  $\pm 1\%$  and temperature coefficient of resistance of  $\pm 100\text{ppm}/^\circ\text{C}$ .  
Our SMD components contribute to lead-free composition of electronics products.

### SPECIFICATIONS

#### Mechanical



Dimension (mm)	RL0510 (0402)	RL0816 (0603)	RL1220 (0805)
L	1.00 $\pm$ 0.10	1.60 $\pm$ 0.10	2.00 $\pm$ 0.20
W	0.50 $\pm$ 0.10	0.80 $\pm$ 0.10	1.25 $\pm$ 0.20
P	0.20 $\pm$ 0.10	0.20 $\pm$ 0.15	0.40 $\pm$ 0.20
T	0.35 $\pm$ 0.10	0.45 $\pm$ 0.10	0.40 $\pm$ 0.20

#### Equivalent circuit



#### Electrical

Type	RL0510	RL0816		RL1220			
Power	1/8W	1/8W		1/4W			
Resistance Tolerance (code)	$\pm 1\%$ (F) $\pm 2\%$ (G)	$\pm 2\%$ (G) $\pm 5\%$ (J)	$\pm 1\%$ (F) $\pm 2\%$ (G)	$\pm 5\%$ (J)	$\pm 2\%$ (G) $\pm 5\%$ (J)	$\pm 1\%$ (F) $\pm 2\%$ (G)	
Resistance Range( $\Omega$ )	0.1~4.7	0.1~0.68	1~6.8	0.010~0.018	0.022~0.082	0.1~10.0	0.068~0.47
Temperature Coefficient of Resistance ppm/ $^\circ\text{C}$ (code)	0~+200 (S)	0~+200 (S)		0~+350 (T)		0~+200 (S)	$\pm 100$ (R)
Resistance Value	E-6	E-6	E-12	E-12		E-6	
Package	10,000pcs/reel	5,000pcs/reel					

- TCR of 0 to 200ppm/ $^\circ\text{C}$  for 10 to 82 m $\Omega$  in RL1220 series are also available.
- Other resistance values are available.

### PART NUMBER

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

