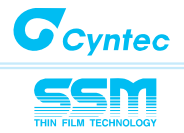


RL series, low resistance value chip resistors with long-side electrodes for high-precision current detection.



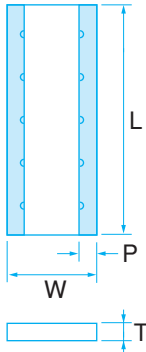
A specially designed construction assures small dimensions and repressed surface temperature increase due to heat radiation and thermal conduction. This construction also minimizes the thermal effects on peripheral areas. Patent 2963671

Our SMD components contribute to lead-free composition of electronics products.



SPECIFICATIONS

Mechanical



Dimension (mm)	RL3720 (0815)	RL3720W (0815)	RL7520W (0830)
L	3.75±0.30	3.75±0.30	7.50±0.30
W	2.00±0.20	2.00±0.20	2.00±0.20
P	0.40±0.20	0.40±0.20	0.40±0.20
T	0.40±0.10	0.40+0.15/-0.10	0.40+0.15/-0.10

Equivalent circuit



Electrical

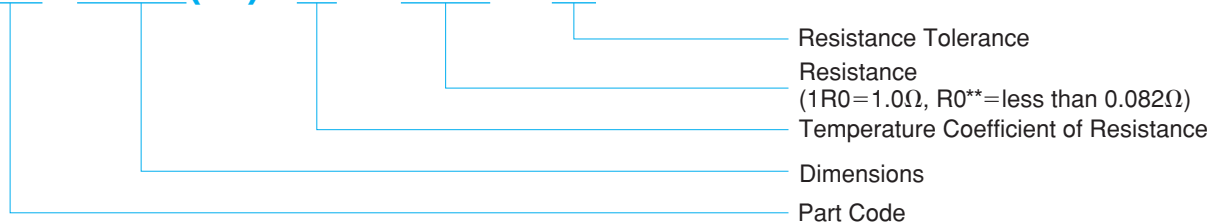
Type	RL3720		RL3720W		RL7520W			
Power	1/2W		1W		2W			
Resistance Tolerance (code)	±1%(F) ±2%(G)		±1%(F) ±2%(G)		±5%(J)	±1%(F) ±2%(G)		
Resistance Range (Ω)	0.022~0.068	0.1~2.2	0.010~0.068	0.1~1.0	1,2,3m	5,6,9m	0.010~0.068	0.1~0.47
Temperature Coefficient of Resistance ppm/°C(code)	0~+350 (T)	0~+200 (S)	0~+350 (T)	0~+200 (S)	0~+800 (T)	0~+420 (T)	0~+350 (T)	0~+200 (S)
Resistance Value	E-6		E-6		-		E-6	
Package	4,000pcs/reel							

· Other resistance values are available.

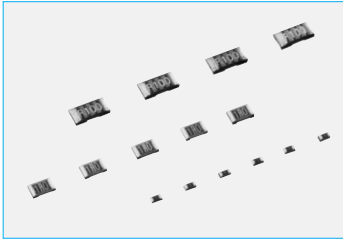


PART NUMBER

RL 3720(W) T - R10 - F



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

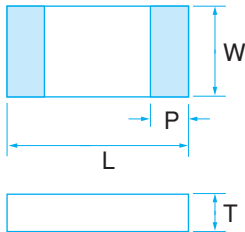


Original resistance materials assure resistance tolerance of $\pm 1\%$ and temperature coefficient of resistance of $\pm 100\text{ppm}/^\circ\text{C}$.
Our SMD components contribute to lead-free composition of electronics products.



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

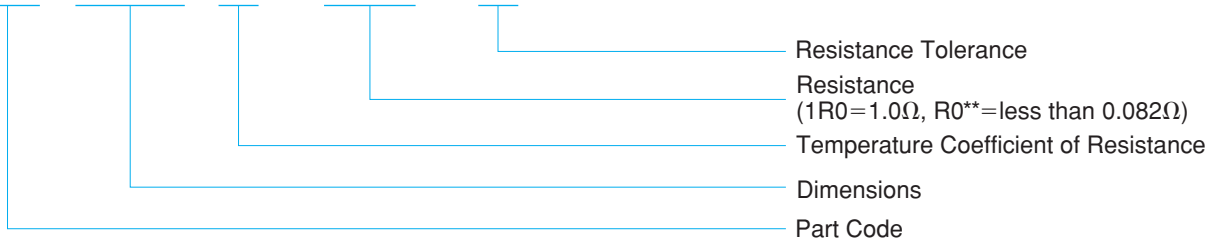
Type	RL0510	RL0816		RL1220			
Power	1/8W	1/8W		1/4W			
Resistance Tolerance (code)	$\pm 1\%$ (F) $\pm 2\%$ (G)	$\pm 2\%$ (G) $\pm 5\%$ (J)	$\pm 1\%$ (F) $\pm 2\%$ (G)	$\pm 5\%$ (J)	$\pm 2\%$ (G) $\pm 5\%$ (J)	$\pm 1\%$ (F) $\pm 2\%$ (G)	
Resistance Range(Ω)	0.1~4.7	0.1~0.68	1~6.8	0.010~0.018	0.022~0.082	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)	± 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 Ω in RL1220 series are also available.
- Other resistance values are available.

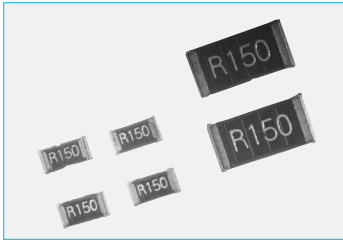


PART NUMBER

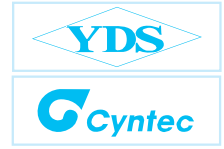
RL 1220 S - 1R0 - F



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



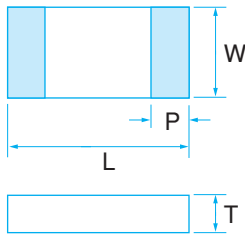
Original resistance materials assure resistance tolerance of $\pm 1\%$ and temperature coefficient of resistance of $\pm 100\text{ppm}/^\circ\text{C}$

Our SMD components contribute to lead-free composition of electronics products.



SPECIFICATIONS

Mechanical



Dimension (mm)	RL1632 (1206)	RL3264 (2512)	RL-3264-6 (2512) NEW
L	3.20 \pm 0.20	6.40 \pm 0.20	6.50 \pm 0.33
W	1.60 \pm 0.20	3.20 \pm 0.20	3.20 \pm 0.20
P	1.00 \pm 0.15	2.00 \pm 0.15	2.50 \pm 0.15(1m Ω) 1.90 \pm 0.15(2m Ω or less)
T	0.50 \pm 0.15	0.50 \pm 0.15	0.80 \pm 0.15(1m Ω) 0.70 \pm 0.15(2m Ω) 0.60 \pm 0.15(3m Ω or less)

Equivalent circuit



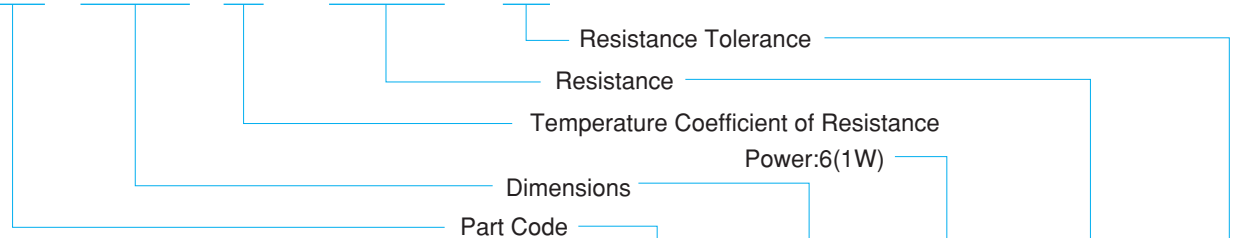
Electrical

Type	RL1632					RL3264					RL-3264-6 Fixed metal foil			
Power	1/2W					1W					1W			
Resistance Tolerance(code)	$\pm 2\%$ (G)		$\pm 1\%$ (F) $\pm 2\%$ (G)			$\pm 2\%$ (G)		$\pm 1\%$ (F) $\pm 2\%$ (G)			$\pm 5\%$ (J)	$\pm 1\%$ (F) $\pm 5\%$ (J)	$\pm 1\%$ (F) $\pm 5\%$ (J)	
Resistance Range (Ω)	0.01~ 0.015	0.018~ 0.022	0.027	0.033~ 0.047	0.056~ 4.7	0.01~ 0.015	0.018~ 0.022	0.027	0.033~ 0.047	0.056~ 0.47	1,2m	3,4,5m	5.1~ 10m	11~ 47m
Temperature Coefficient of Resistance ppm/ $^\circ\text{C}$ (code)	0~+500 (T)	0~+350 (T)	0~+200 (S)	± 100 (R)	0~+500 (T)	0~+350 (T)	0~+200 (S)	± 100 (R)	± 200	± 100	± 100	± 100	± 50	
Resistance Value	E-24					E-12					—		E-24	
Package	5,000pcs/reel					5,000pcs/reel					2,000pcs/reel			



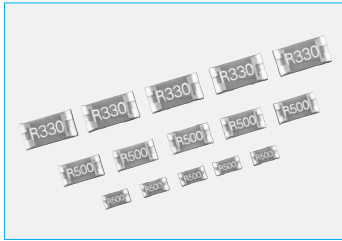
PART NUMBER

RL 1632 S - R033 - F



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RL - 3264 - 6 - R002 - F



High-precision current-detection elements

RL-L series: four-terminal type

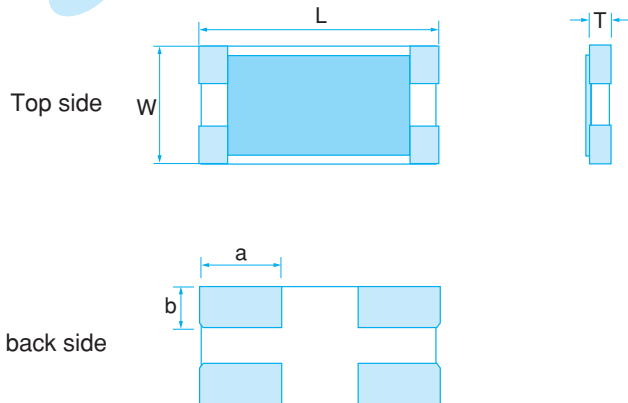


Newly released: A four-terminal structure with separate voltage- and current-terminals assures high-precision TCR of 50ppm/°C and 0.5% tolerance.



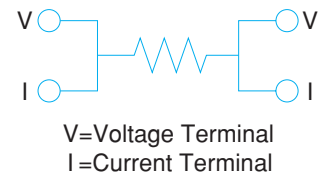
SPECIFICATIONS

Mechanical



Dimension (mm)	RL1632L4 (1206)	RL2550L4 (2010)	RL3264L4 (2512)
L	3.2±0.2	5.0±0.2	6.4±0.2
W	1.6±0.2	2.5±0.2	3.2±0.2
T	0.5±0.15	0.5±0.15	0.5±0.15
a	1.0±0.2	1.7±0.2	2.1±0.2
b	0.55±0.2	0.9±0.2	1.2±0.2

Equivalent circuit



Electrical

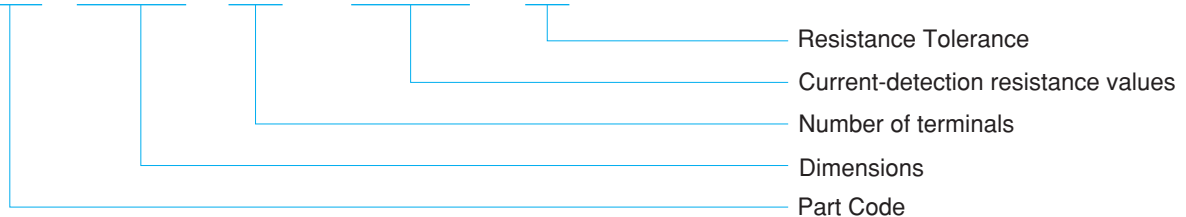
Type	RL1632L4	RL2550L4	RL3264L4		
Power	1/2W	3/4W	1W		
Resistance Tolerance (code)	±0.5%(D) ±1%(F)				
Resistance Range	10~500m Ω		3~5m Ω	6~500m Ω	
Temperature Coefficient of Resistance	±50ppm/°C		±100ppm/°C	±50ppm/°C	
Terminal Resistance	10~47m Ω	50~500m Ω	3~8m Ω	10~47m Ω	50~500m Ω
	5 MΩ or less	20 MΩ or less	1 MΩ or less	5 MΩ or less	20 MΩ or less
Resistance Value	E-12 series 50, 500m Ω		E-12 series 3, 4, 5, 6, 7, 8, 50, 500m Ω		
Package	5,000pcs/reel				

· Contact us for even lower resistance values.



PART NUMBER

RL 1632 L4 - R033 - F



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