

RL series, PRL series ^{NEW} low resistance value chip resistors with long-side electrodes for high-precision current detection.

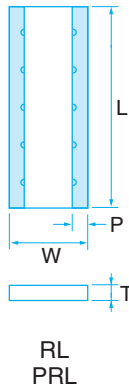


Excellent performance in resistance tolerance, noise, long term stability and heat dissipation. Our unique structure enables further miniaturization. This low resistance value chip resistor is useful in many current sensing applications. We offer 1/2,1,2 watt power handling thin film resistors. This product is completely lead free. ^{NEW} PRL1632 are realized as 1W for 3.2×1.6mm(1206)



SPECIFICATIONS

Mechanical



Dimension (mm)	RL3720	RL3720W	RL7520W
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

Dimension (mm)	PRL0816	PRL1220	PRL1632	PRL3264
L	1.6±0.2	2.0±0.2	3.2±0.2	6.4±0.2
W	0.8±0.2	1.25±0.2	1.6±0.2	3.2±0.2
P	0.225±0.15	0.35±0.15	0.45±0.15	0.9±0.15
T	0.5±0.15	0.5±0.15	0.5±0.15	0.5±0.15

Electrical

Type	RL3720			RL3720W				RL7520W		
Power	1/2W			1W				2W		
Resistance Tolerance (code)	±1%(F) ±2%(G)			±1%(F) ±2%(G)				±1%(F) ±2%(G)		
Resistance Range (Ω)	0.01~0.018	0.022~0.068	0.1~2.2	0.002~0.004	0.005~0.009	0.010~0.091	0.1~1.0	0.001~0.009	0.010~0.091	0.1~0.47
Temperature Coefficient of Resistance ppm/°C(code)	0~350 (T)	0~200 (S)	0~100 (S)	0~350 (T)	0~200 (S)	0~200 (S)	0~50(Q) 0~100(R)	0~200 (S)	0~100 (R)	0~50(Q) 0~100(R)
Resistance Value	E-6			—		E-24		—		E-24
Package	4000pcs/reel									

·0.001 ohm for RL3720W is available.

Type	PRL0816	PRL1220		PRL1632		PRL3264		
Power	1/3W	1/2W		1W		2W		
Resistance Tolerance (code)	±0.5%(D) ±1%(F)±2%(G)	±1%(F) ±2%(G)	±0.5%(D) ±1%(F)±2%(G)	±1%(F) ±2%(G)	±0.5%(D) ±1%(F)±2%(G)	±2%(G) ±5%(J)	±1%(F) ±2%(G)	±0.5%(D) ±1%(F)±2%(G)
Resistance Range (Ω)	10m~100m	7m~9m	10m~100m	5m~9m	10m~100m	3m~4m	5m~9m	10m~100m
Temperature Coefficient of Resistance ppm/°C(code)	12mΩ ≥ : 0~350, 13m~33mΩ : 0~200 36m~68mΩ : ±100, 75m~100mΩ : ±50			10mΩ > : 0~350, 10m~18mΩ : 0~200, 20m~51mΩ : ±100, 56m~100mΩ : ±50				
Resistance Value	E-24series、25mΩ、50mΩ、10mΩ > : 1mΩ step							
Package	1,000pcs/reel 5,000pcs/reel							

· PRL series with resistance value more than 100m ohm are also available.



PART NUMBER

RL 3720W T - R10 - F - (T1) — Taping Quantity Unit:PRL:T1(1000pcs) T5(5000pcs)

Resistance Value:RLseries:3 digits, PRL series :4 digits

Temperature Coefficient of Resistance:To be added as for RLseries