



Low resistance chip resistors (long-side terminal)

■PRL / RL series

Features

- Innovative structure that takes consideration of heat dissipation suppresses the surface temperature enabling the small sizes, reduction of the influence on surrounding components, excellent temperature cycle resistance, low ESL and low noise.

Applications

- PC power sources, inverters, automotive electronics, adapters, industrial machines



◆Part numbering system

PRL 1220 - R010 - D - T5

Packaging quantity: T5(5,000pcs)

Resistance tolerance

Nominal resistance value

Size: PRL0816, PRL1220, PRL1632, PRL3264

RL 3720W T - R10 - F

Resistance tolerance

Nominal resistance value

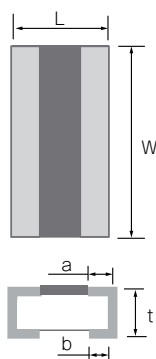
Temperature coefficient of resistance

Size: RL3720W, RL7520W

◆Electrical Specification

Type	Power ratings	Temperature coefficient of resistance	Resistance range(Ω) Resistance tolerance				Maximum voltage	Resistance value series	Operating temperature	Packaging quantity
		(ppm/°C)	±0.5% (D)	±1% (F)	±2% (G)	±5% (J)				
PRL0816	1/3W	±50	75m≤R≤100m		—	—	√(P · R)	E-24	-40℃ ~ 125℃	T5
		±100	43m≤R≤68m							
		—	33m≤R≤39m							
		—	18m≤R≤27m							
PRL1220	2/3W	0 ~ +200	10m≤R≤15m		—	—		E-24 1m step (7m ~ 10m)		
		0 ~ +350	56m≤R≤100m							
		—	47m≤R≤51m							
		—	20m≤R≤43m							
PRL1632	1W	±100	10m≤R≤18m		—	—		E-24 1m step (5m ~ 10m)		
		—	7m≤R≤9m							
		—	56m≤R≤100m							
		—	47m≤R≤51m							
PRL3264	2W	±50	20m≤R≤43m		—	—		E-24 1m step (3m ~ 10m)		
		±100	10m≤R≤18m							
		—	5m≤R≤9m							
		—	3m≤R≤4m							
RL3720W	1W	±50(Q)	100m≤R≤1		—	—	E-24 1m step (1m ~ 10m)			
		±100(R)	5m≤R≤91m							
		0 ~ +200(S)	1m≤R≤4m							
		0 ~ +350(T)	100m≤R≤470m							
RL7520W	2W	0 ~ +420(T)	10m≤R≤91m		—	—	E-24 1m step (1m ~ 10m)			
		0 ~ +800(T)	5m≤R≤9m							
		—	1m≤R≤4m							
		—	100m≤R≤470m							
		—	10m≤R≤91m							
		—	10m≤R≤91m							
		—	10m≤R≤91m							

◆Dimensions



Type	Size (inch)	L	W	a	b	t
PRL0816	0306	0.80±0.20	1.60±0.20	—	0.20±0.10	0.40±0.10
PRL1220	0508	1.25±0.20	2.00±0.20	—	0.35±0.15	0.50±0.10
PRL1632	0612	1.60±0.20	3.20±0.20	—	0.45±0.15	0.50±0.10
PRL3264	1225	3.20±0.20	6.40±0.20	—	0.90±0.15	0.50±0.10
RL3720W	0815	2.00±0.20	3.75±0.30	0.40±0.20	0.40±0.20	0.50±0.20
RL7520W	0830	2.00±0.20	7.50±0.30	0.40±0.20	0.40±0.20	0.50±0.20

(unit : mm)

Mouser Electronics

Authorized Distributor

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PRL1220-R007-G-T1	PRL1220-R008-G-T1	PRL1220-R009-G-T1	PRL3264-R003-J-T1	PRL3264-R004-J-T1
PRL3264-R005-G-T1	PRL3264-R006-G-T1	PRL3264-R007-G-T1	PRL3264-R008-G-T1	PRL3264-R009-G-T1
PRL1220-R043-F-T1	PRL1220-R010-F-T1	PRL3264-R012-F-T1	PRL1220-R091-F-T1	PRL0816-R033-F-T1
PRL1632-R020-F-T1	PRL3264-R043-F-T1	PRL1632-R016-F-T1	PRL0816-R047-F-T1	PRL1220-R075-F-T1
PRL0816-R010-F-T1	PRL0816-R100-F-T1	PRL1220-R100-F-T1	PRL0816-R025-F-T1	PRL3264-R009-F-T1
PRL1632-R012-F-T1	PRL1632-R006-F-T1	PRL1220-R051-F-T1	PRL3264-R047-F-T1	PRL3264-R062-F-T1
PRL0816-R043-F-T1	PRL1220-R033-F-T1	PRL0816-R027-F-T1	PRL1220-R018-F-T1	PRL1632-R036-F-T1
PRL3264-R039-F-T1	PRL0816-R082-F-T1	PRL0816-R018-F-T1	PRL3264-R025-F-T1	PRL1632-R047-F-T1
PRL0816-R091-F-T1	PRL0816-R012-F-T1	PRL1220-R012-F-T1	PRL3264-R033-F-T1	PRL1220-R039-F-T1
PRL3264-R051-F-T1	PRL1632-R030-F-T1	PRL3264-R027-F-T1	PRL1632-R056-F-T1	PRL3264-R010-F-T1
PRL1632-R011-F-T1	PRL3264-R091-F-T1	PRL1632-R018-F-T1	PRL3264-R003-F-T1	PRL1632-R008-F-T1
PRL3264-R004-F-T1	PRL1220-R016-F-T1	PRL1220-R068-F-T1	PRL0816-R051-F-T1	PRL1632-R075-F-T1
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PRL1220-R024-F-T1	PRL3264-R050-F-T1	PRL1632-R051-F-T1	PRL1220-R013-F-T1	PRL1632-R022-F-T1
PRL3264-R006-F-T1	PRL0816-R013-F-T1	PRL1632-R033-F-T1	PRL1632-R082-F-T1	PRL3264-R018-F-T1
PRL0816-R039-F-T1	PRL0816-R011-F-T1	PRL1632-R068-F-T1	PRL3264-R015-F-T1	PRL0816-R036-F-T1
PRL3264-R030-F-T1	PRL3264-R036-F-T1	PRL3264-R007-F-T1	PRL1220-R011-F-T1	PRL1632-R091-F-T1
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