

Precision current sensing low resistance chip resistors Metal foil, long-side terminal/ short-side terminal, face down. KRL series



Two types are available: for high temperature application (up to 170°C) and for low thermal emf application. Excellent TCRs: $\pm 150\text{ppm}/^\circ\text{C}$ for 1m Ω , $\pm 100\text{ppm}/^\circ\text{C}$ for 2m Ω , $\pm 50\text{ppm}/^\circ\text{C}$ for 3m Ω . Face down mounting offers accurate sensing. Depending on customers' applications, we offer long-side terminal type and short-side terminal type ranging from 1/3W to 5W power rating. Protective coating used is halogen free showing our commitment to environment.

RoHS compliant

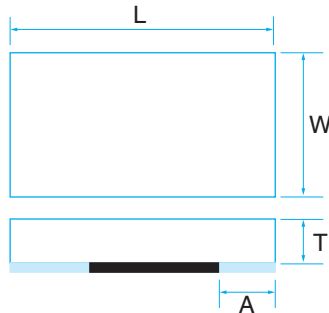
Completely lead free



SPECIFICATIONS

Mechanical

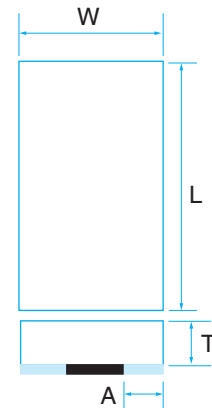
Short-side terminal



Dimensions (mm)	KRL1220	KRL1632	KRL3264
L	2.0 ± 0.20	3.2 ± 0.20	6.3 ± 0.20
W	1.25 ± 0.20	1.6 ± 0.20	3.1 ± 0.20
T	0.5 ± 0.20	0.5 ± 0.20	0.5 ± 0.20
A (5.0~7.0m Ω)	0.4 ± 0.20	1.10 ± 0.20	1.90 ± 0.20
A (8.0m Ω ~)		0.4 ± 0.20	1.0 ± 0.20

Mechanical

Long-side terminal



Dimensions (mm)	KRL2012	KRL3216	KRL6432	KRL7638	KRL9045	KRL11050
L	2.0 ± 0.20	3.2 ± 0.20	6.3 ± 0.20	7.6 ± 0.20	8.9 ± 0.20	11.0 ± 0.20
W	1.25 ± 0.20	1.6 ± 0.20	3.1 ± 0.20	3.8 ± 0.20	4.5 ± 0.20	5.0 ± 0.20
T	0.5 ± 0.20	0.5 ± 0.20	0.5 ± 0.20	0.5 ± 0.20	0.5 ± 0.20	0.5 ± 0.20
A (1m Ω)	0.55 ± 0.20	0.60 ± 0.20	1.20 ± 0.20	1.35 ± 0.20	1.60 ± 0.20	1.80 ± 0.20
A (2m Ω)	0.40 ± 0.20	0.40 ± 0.20	0.50 ± 0.20	0.60 ± 0.20	0.70 ± 0.20	0.80 ± 0.20
A (3m Ω ~)	0.30 ± 0.20	0.30 ± 0.20				

Electrical

Type	KRL1220	KRL1632	KRL3264
Power	0.3W	0.5W	1.0W
Resistance Range(Ω)	10m~100m	5m~100m	
Tolerance % (code)	5~9m : ±2.0 (G) 10m~ : ±1.0 (F)		
TCR ppm /°C	5~9m : ±100 10m~ : ±50		
Operating Temp. Range	C : -55~170°C M : -55~155°C		

· Contact our sales office for wrap around terminal ERL series.

Electrical

Type	KRL2012	KRL3216	KRL6432	KRL7638	KRL9045	KRL11050
Power	0.66W	1.0W	2.0W	3.0W	4.0W	5.0W
Resistance Range(Ω)	1m~50m		1m~100m			
Tolerance % (code)	1m : ±5.0 (J) 2m : ±2.0 (G) 3m~ : ±1.0 (F)					
TCR ppm /°C	1m : ±150 2m : ±100 3m~ : ±50					
Operating Temp. Range	C : -55~170°C M : -55~155°C					



PART NUMBER

KRL 6432 - C - R010 - F - T1

Package
(T1:1000pcs/reel, T5:5000pcs/reel)

Resistance Tolerance

Resistance Value

Operating Temperature :
C (high temperature application)
M (low thermal emf application)

Dimensions

Part Code