



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



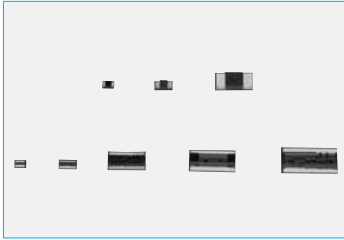
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# 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: +/-150ppm/°C for 1mΩ, +/-100ppm/°C for 2mΩ, +/-50ppm/°C for 3mΩ. 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

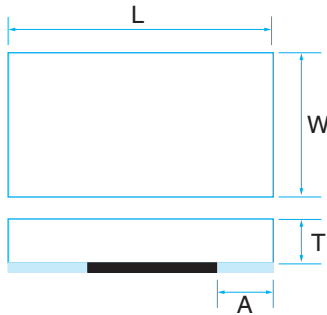
Completely lead free



## SPECIFICATIONS

### Short-side terminal

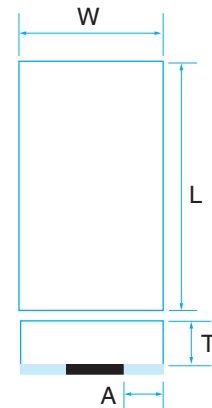
#### Mechanical



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 (5.0~7.0mΩ)	0.4±0.20	1.10±0.20	1.90±0.20
A (8.0mΩ~)		0.4±0.20	1.0±0.20

### Long-side terminal

#### Mechanical



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 (1mΩ)	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 (2mΩ)	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 (3mΩ~)	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

