

# 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

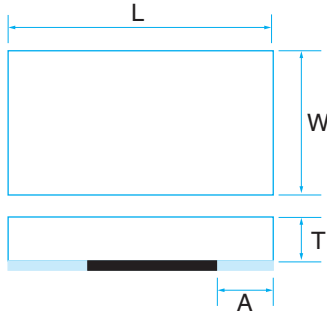
Completely lead free



## SPECIFICATIONS

### Short-side terminal

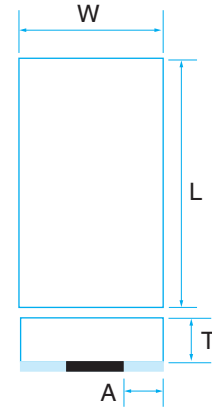
#### Mechanical



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

