

Metal foil low resistance chip resistors (long-side and short-side terminals)

KRL series

Features

- The C type utilizes materials that withstand high temperatures and can be operated up to 170°C. The M type utilizes low emf materials that are stable up to 155°C. TCR is very stable for very low resistance: $\pm 150\text{ppm}/^\circ\text{C}$ for 1m Ω , $\pm 100\text{ppm}/^\circ\text{C}$ for 2m Ω , and $\pm 50\text{ppm}/^\circ\text{C}$ for 3m Ω . Face down mounting allows for accurate current measurement. Long and short side terminal types, as well as power ratings from 1/3W to 5W are offered to meet customers' specific requirements. The protective outer coating is halogen free in consideration of the environment.

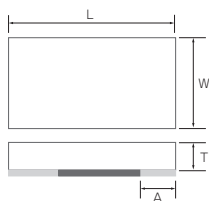
Applications

- PCs, hard drive discs, audio visual equipment.

Specifications

* All made to order.

Dimensions : Short side terminal

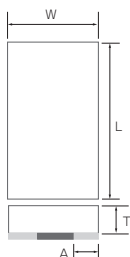


Dimensions (mm)	KRL1220	KRL1632	KRL3264
L	2.0 $\pm$ 0.20	3.2 $\pm$ 0.20	6.3 $\pm$ 0.20
W	1.25 $\pm$ 0.20	1.6 $\pm$ 0.20	3.1 $\pm$ 0.20
T	0.5 $\pm$ 0.20	0.5 $\pm$ 0.20	0.5 $\pm$ 0.20
A (5.0~7.0m Ω)	0.4 $\pm$ 0.20	1.10 $\pm$ 0.20	1.90 $\pm$ 0.20
A (8.0m Ω ~)		0.4 $\pm$ 0.20	1.0 $\pm$ 0.20

Electrical characteristics : Short side terminal

Series name	KRL1220	KRL1632	KRL3264
Power	1/3W	1/2W	1W
E series offered	E-12	1m Ω STEP	E-12
Resistance range (Ω)	10m~100m	5m~9m	10m~100m
Resistance tolerance (%)	± 1.0 (F)	—	± 2.0 (G)
Temperature coefficient of resistance (ppm/ $^\circ\text{C}$)	± 50	—	± 100
Operating temperature	C	—	—
Packaging	1,000pcs	—	—
	5,000pcs	—	—

Dimensions : Long side terminal



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

Electrical characteristics : Long side terminal

Series name	KRL2012	KRL3216	KRL6432	KRL7638	KRL9045	KRL11050
Power	2/3W	1W	2W	3W	4W	5W
E series offered	1m Ω STEP	1m Ω STEP	1m Ω STEP	1m Ω STEP	1m Ω STEP	1m Ω STEP
Resistance range (Ω)	1m 2m 3m~9m 10m~50m	1m 2m 3m~9m 10m~50m	1m 2m 3m~9m 10m~50m	1m 2m 3m~9m 10m~100m	1m 2m 3m~9m 10m~100m	1m 2m 3m~9m 10m~100m
Resistance tolerance (%)	± 1.0 (F)	—	± 2.0 (G)	—	± 5.0 (J)	—
Temperature coefficient of resistance (ppm/ $^\circ\text{C}$)	± 50	—	± 100	—	± 150	—
Operating temperature	C	—	M	—	—	—
Packaging	1,000pcs	—	—	—	—	—
	5,000pcs	—	—	—	—	—

· Contact us for ERL series with wrap round type of termination.

Part numbering system

KRL 6432 - C - R010 - F - T1

Packaging: T1 (1000pieces) T5 (5000pieces)

Resistance tolerance
Resistance value
Operating temperature: C (High temperature type) M (Low emf type)
Size
Series code