

Metal foil low resistance chip resistors
(short-side terminal)

■KRL series **AEC-Q200 Compliant**

Lead free Halogen free RoHS Compliance

Features

- High current sensing short side terminal low resistance chip resistor
- Two types available: high temperature (operating temperature up to 175°C), low emf type (operating temperature up to 155°C).
- High current handling capability and wide range of power ratings
- Size: 0510 ~ 50110, power ratings: 0.2W ~ 5W, resistance value range: 5m ~ 1000mΩ
- Face down construction. Choice between bottom only or wrap around terminal

Applications

- Automotive electronics
- Power source devices, ACDC converters, DCDC converters
- Motors, inverters, office automation equipment

◆Part numbering system

KRL 1220E - C - R010 - F - T1

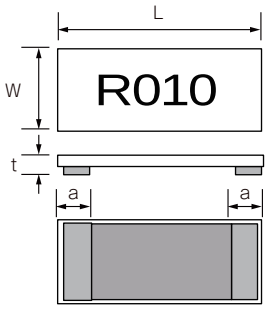
- KRL: Series code
- 1220E: Size: KRL0510, KRL0816, KRL1220, KRL1632, KRL2550, KRL3264, KRL50110; Terminal type: D (bottom terminal), E (wrap around terminal)
- C: Temperature characteristics type: C (high operating temperature), M (low EMF)
- R010: Nominal resistance value
- F: Resistance tolerance
- T1: Packaging quantity: T1(1,000pcs), T5(5,000pcs)

◆Electrical Specification

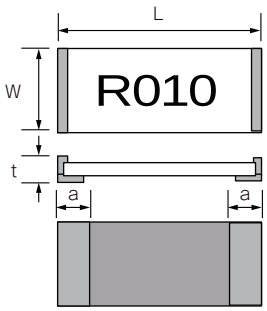
Type	Power ratings	Temperature coefficient of resistance	Resistance range(Ω) *1 Resistance tolerance		Resistance value series	Operating temperature		Packaging quantity
		(ppm/°C)	±1% (F)	±2% (G)		C	M	
※2 KRL0816	0.3W	±50	10m≦R≦500m	—	E-6 / E-12 ※3	-55℃ ~ 175℃	-55℃ ~ 155℃	T1 T5
		±100	5m≦R≦9m(1m step)					
KRL1220	0.5W	±50	10m≦R≦500m	—				
		±100	5m≦R≦9m(1m step)					
KRL1632	0.75W	±50	10m≦R≦500m	—				
		±100	3m≦R≦9m(1m step)					
KRL2550	1.5W	±50	10m≦R≦500m	—				
		±100	5m≦R≦9m(1m step)					
KRL3264	3W	±50	10m≦R≦1000m	—				
		±100	3m≦R≦9m(1m step)					
		±200	2m					
KRL50110	5W	±50	10m≦R≦1000m	—				T1
		±100	5m≦R≦9m(1m step)					

*1 We can meet your requirement for resistance value not specified in above table. Please contact our sales office.
*2 For sizes smaller than *2, please contact our sales department.
*3 We can meet your requirement outside of E-6/E-12 series resistance. Please contact our sales office.

◆Dimensions



D Type

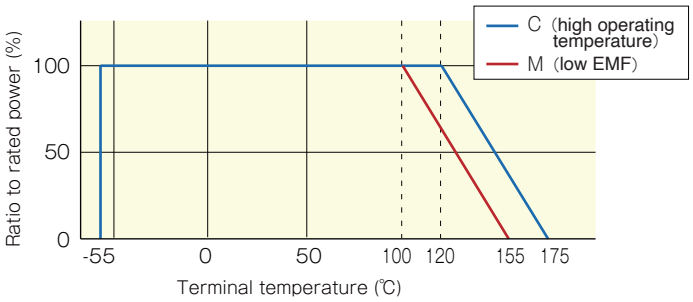


E Type

Type	Size (inch)	L	W	t	a
KRL0816	0603	1.60±0.20	0.80±0.20	0.50±0.20	0.30±0.15(5mΩ) / 0.70±0.15(6 ~ 18mΩ) 0.55±0.15(20 ~ 39mΩ) / 0.30±0.15(47mΩ~)
KRL1220	0805	2.00±0.20	1.25±0.20	0.50±0.20	0.40±0.20
KRL1632	1206	3.20±0.20	1.60±0.20	0.50±0.20	0.50±0.20(9mΩ~)/1.10±0.20(3 ~ 8mΩ)
KRL2550	2010	5.00±0.20	2.50±0.20	0.50±0.20	0.60±0.20(9mΩ~)/1.40±0.20(6 ~ 8mΩ)/ 1.60±0.20(5mΩ)
KRL3264	2512	6.30±0.20	3.10±0.20	0.50±0.20	1.00±0.20(9mΩ~)/1.90±0.20(5 ~ 8mΩ) 2.50±0.20(3 ~ 4mΩ)/2.70±0.20(2mΩ)
KRL50110	4320	11.00±0.20	5.00±0.20	0.65±0.20	2.36±0.30(8mΩ~)/3.60±0.30(5 ~ 7mΩ)

(unit : mm)

◆Derating Curve



KRL1632E-3A series (1W) is also in our line-up.

