

# Lead H





# Metal foil low resistance chip resistors

(long-side terminal)

#### **■KRL** series

#### **AEC-Q200 Compliant**

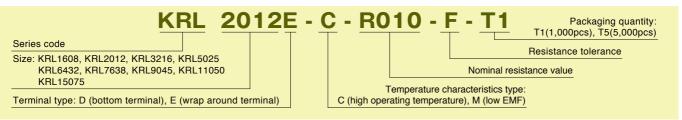
#### **Features**

- · High current sensing long 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: 1608 ~ 15075, power ratings: 0.5W ~ 10W, resistance value range: 1m ~ 500m $\Omega$
- · Face down construction. Choice between bottom only or wrap around terminal.

#### **Applications**

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

#### **◆Part numbering system**



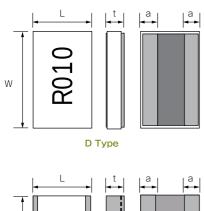
### **♦**Electrical Specification

Туре	Power ratings	Temperature coefficient of resistance	*1 Resistance range(Ω) Resistance tolerance			Resistance value series	Operating temperature		Packaging quantity
		(ppm/°C)	±1% (F)	±2% (G)	±5% (J)		С	M	
KRL1608	0.5W	±50	10m≦R≦100m	_	_				T5
	0.01.	±100	_ 3m≦R≦9m	5m≦R≦9m	_				
KRL2012	1 W	±50	(1m step) 10m≦R≦500m	_	_				
		±100	_	R=2m					
		±150		_	R=1m				
KRL3216	1.5W	±50	3m≦R≦9m (1m step) 10m≦R≦500m	_	_				
		±100	-	R=2m	_				
		±150	-		R=1 m				
KRL5025	2W	±50	3m≦R≦9m (1m step) 10m≦R≦500m	-	_				
		±100	-	R=2m	_				T1
		±150	-		R=1m				
KRL6432	3W	±50	3m≦R≦9m (1m step) 10m≦R≦500m	-	_	- - E-6	-55℃ ~ 175℃	-55°C ~ 155°C	Т5
		±100	_	R=2m	_				
		±150	_		R=1m				
KRL7638	4W	±50	3m≦R≦9m (1m step) 10m≦R≦500m	_	_				
		±100	_	R=2m					
		±150	_ 3m≦R≦9m		R=1m				
KRL9045	5W	±50	(1m step) 10m≦R≦500m	_	_				
		±100	_	R=2m	_				
		±150	_		R=1m				
KRL11050	6W	±50	3m≦R≦9m (1m step) 10m≦R≦500m	-	_				
		±100	_	R=2m					
		±150	_		R=1m	-			T1
KRL15075	10W	±50	10m≦R≦500m	_	_				
		±100	3m≦R≦9m (1m step)	_	_				
		±150	_	R=2m	R=1m				

<sup>1</sup> We can meet your requirement of less than  $1m\Omega$ . Please contact our sales office.

<sup>2</sup> We can meet your requirement of resistance value outside of E-6 series. Please contact our sales office

## **♦**Dimensions



	L	<mark>→</mark>	<mark>a</mark> ∣	a ◆◆			
w	R010						
E Type							

Туре	Size (inch)	L	w	t	a
KRL1608	0603	0.80±0.20	1.60±0.20	0.50±0.20	0.20±0.20(5mΩ~)
KRL2012	0805	1.25±0.20	2.00±0.20	0.50±0.20	0.30±0.20(2mΩ~)/0.55±0.20(1mΩ)
KRL3216	1206	1.60±0.20	3.20±0.20	0.50±0.20	0.30±0.20(2mΩ~)/0.55±0.20(1mΩ)
KRL5025	2010	2.50±0.20	5.00±0.20	0.50±0.20	0.40±0.20(2mΩ~)/0.55±0.20(1mΩ)
KRL6432	2512	3.10±0.20	6.30±0.20	0.50±0.20	0.50±0.20(2mΩ~)/1.20±0.20(1mΩ)
KRL7638	3015	3.80±0.20	7.60±0.20	0.50±0.20	0.60±0.20(2mΩ~)/1.35±0.20(1mΩ)
KRL9045	3518	4.50±0.20	9.00±0.20	0.50±0.20	0.70±0.20(2mΩ~)/1.60±0.20(1mΩ)
KRL11050	4320	5.00±0.20	11.00±0.20	0.50±0.20	0.80±0.20(2mΩ~)/1.60±0.20(1mΩ)
KRL15075	5930	7.50±0.20	15.00±0.20	0.65±0.20	1.10±0.20(1mΩ~)/2.75±0.20(0.5mΩ)

(unit:mm)

# **♦**Derating Curve

