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: $0.5W \sim 10W$, resistance value range: $1m \sim 500m\Omega$
- · Face down construction. Choice between bottom only or wrap around terminal.

Lead





Applications

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

◆Part numbering system

Size: KRL1608, KRL2012, KRL3216, KRL5025 KRL6432, KRL7638, KRL9045, KRL11050

2012E - C - R010 - F -

Packaging quantity: T1(1,000pcs), T5(5,000pcs)

Resistance tolerance

Nominal resistance value

Temperature characteristics type C (high operating temperature), M (low EMF)

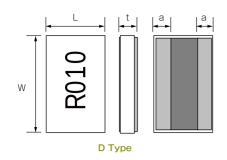
KRL15075 Terminal type: D (bottom terminal), E (wrap around terminal)

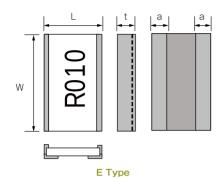
◆Electrical Specification

Туре	Power ratings	Temperature coefficient of resistance	Resistance range(Ω) Resistance tolerance			Resistance Operating temperature value series		Packaging quantity	
		(ppm/°C)	±1% (F)	±2% (G)	±5% (J)		С	M	
KRL1608	0.5W	±50	10m≦R≦100m	_	_	*2 E-6	-55°C [~] 175°C	-55℃ [~] 155℃	Т5
KHLIOUO	0.500	±100	_	5m≦R≦9m	_				15
KRL2012	1W	±50	3m≦R≦9m (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=1m				
KRL5025	2W	±50	3m≦R≦9m (1m step) 10m≦R≦500m	_	_				
		±100	-	R=2m	_				T1
		±150	-		R=1m				1.1
KRL6432	зw	±50	3m≦R≦9m (1m step) 10m≦R≦500m	_	_				Т5
		±100	_	R=2m	_				
		±150	-		R=1m				
KRL7638	4W	±50	3m≦R≦9m (1m step) 10m≦R≦500m	_	_				
		±100	_	R=2m					
		±150		_	R=1m				
KRL9045	5W	±50	3m≦R≦9m (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)	R=2m	R=1m				
		±150	_	_	_				

- *1 We can meet your requirement of less than $1m\Omega.$ Please contact our sales office
- *2 We can meet your requirement of resistance value outside of E-6 series. Please contact our sales office

♦Dimensions



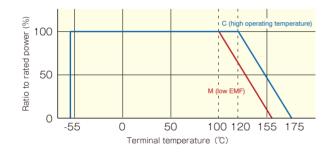


Туре	Size (inch)	L	w	t	a
KRL1608 ^{*1}	0603	0.80±0.20	1.60±0.20	0.50±0.20	0.25±0.20(5mΩ~)
KRL2012	0805	1.25±0.20	2.00±0.20	0.50±0.20	0.30±0.20(2mΩ~)/0.55±0.20(1mΩ)
KRL3216	1206	1.60±0.20	3.20±0.20	0.50±0.20	0.30±0.20(2mΩ~)/0.55±0.20(1mΩ)
KRL5025	2010	2.50±0.20	5.00±0.20	0.50±0.20	0.55±0.20(2mΩ~)/0.90±0.20(1mΩ)
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(2mΩ~)/2.75±0.20(1mΩ)

^{*1} KRL1608 dosen't have E Type

(unit:mm)

♦Derating Curve



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Susumu:

KRL7638-C-R068-F-T1 KRL2012E-M-R033-F-T5 KRL2012E-M-R003-F-T5 KRL2012E-M-R150-F-T5 KRL2012E-M-R470-F-T5 KRL2012E-M-R007-F-T5 KRL2012E-M-R010-F-T5 KRL2012E-M-R100-F-T5 KRL2012E-M-R009-F-T5 KRL2012E-M-R005-F-T5 KRL2012E-M-R220-F-T5 KRL2012E-M-R330-F-T5 KRL2012E-M-R006-F-T5 KRL2012E-M-R068-F-T5 KRL2012E-M-R002-G-T5 KRL2012E-M-R004-F-T5 KRL2012E-M-R047-F-T5 KRL2012E-M-R001-J-T5 KRL2012E-M-R022-F-T5 KRL2012E-M-R015-F-T5 KRL2012E-M-R008-F-T5 KRL3216E-C-R020-F-T1 KRL2012E-C-R100-F-T1 KRL6432E-M-R100-F-T1 KRL6432E-M-R008-F-T1 KRL6432E-M-R010-F-T1 KRL6432E-M-R015-F-T1 KRL6432E-M-R002-G-T1 KRL6432E-M-R007-F-T1 KRL6432E-M-R022-F-T1 KRL6432E-M-R009-F-T1 KRL6432E-M-R047-F-T1 KRL6432E-M-R006-F-T1 KRL6432E-M-R005-F-T1 KRL6432E-M-R003-F-T1 KRL6432E-M-R033-F-T1 KRL6432E-M-R004-F-T1 KRL6432T4-M-R200-F-T1 KRL11050DC-R004-F-T1 KRL6432E-M-R100-F-T5 KRL3216E-M-R004-F-T5 KRL2012E-C-R100-F-T5 KRL3216E-C-R005-F-T5 KRL3216D-C-R007-F-T5 KRL3216E-C-R047-F-T5 KRL3216E-C-R003-F-T5 KRL6432D-C-R004-F-T5 KRL6432E-C-R006-F-T5 KRL3216E-C-R010-F-T5 KRL11050D-C-R009-F-T1 KRL11050E-C-R022-F-T1 KRL11050D-C-R022-F-T1 KRL11050E-C-R009-F-T1 KRL2012D-M-R003-F-T5 KRL2012E-C-R002-G-T5 KRL2012E-C-R005-F-T5 KRL2012E-C-R006-F-T5 KRL2012E-C-R007-F-T5 KRL3216E-C-R008-F-T1 KRL6432E-C-R001-J-T1 KRL6432E-C-R003-F-T1 KRL6432E-C-R007-F-T1 KRL3216E-C-R015-F-T1 KRL3216E-C-R220-F-T1 KRL3216E-C-R470-F-T1 KRL6432E-C-R047-F-T1 KRL3216E-C-R003-F-T1 KRL3216E-C-R022-F-T1 KRL3216E-C-R150-F-T1 KRL6432E-C-R008-F-T1 KRL3216E-C-R002-G-T1 KRL3216E-C-R100-F-T1 KRL6432E-C-R015-F-T1 KRL6432E-C-R010-F-T1 KRL6432E-C-R033-F-T1 KRL2012E-C-R150-F-T5 KRL3216E-C-R010-F-T1 KRL6432E-C-R100-F-T1 KRL3216E-C-R004-F-T1 KRL3216E-C-R006-F-T1 KRL6432E-C-R004-F-T1 KRL3216E-C-R033-F-T1 KRL6432E-C-R009-F-T1 KRL3216E-C-R001-J-T1 KRL3216E-C-R330-F-T1 KRL6432E-C-R006-F-T1 KRL6432E-C-R068-F-T1 KRL3216E-C-R009-F-T1 KRL6432E-C-R005-F-T1 KRL3216E-C-R068-F-T1 KRL6432E-C-R022-F-T1 KRL3216E-C-R005-F-T1 KRL3216E-C-R007-F-T1 KRL6432E-C-R002-G-T1 KRL3216E-C-R047-F-T1 KRL2012E-C-R004-F-T5 KRL2012E-C-R009-F-T5 KRL2012E-C-R015-F-T5 KRL2012E-C-R001-J-T5 KRL2012E-C-R008-F-T5