



free





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

■KRL series

AEC-Q200 Compliant

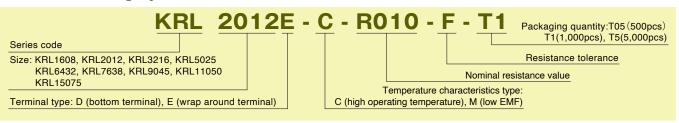
Features

- · 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
- \cdot Size: 1608 \sim 15075, power ratings: 0.5W \sim 10W, resistance value range: 1m \sim 500m Ω
- · 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

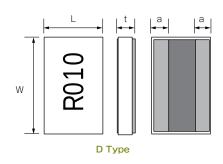


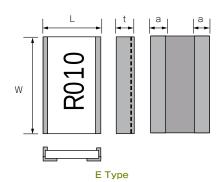
Electrical Specification

Туре	Power ratings	Temperature coefficient of resistance	Resistance range(Ω) Resistance tolerance			Resistance Operating to		emperature	Packaging quantity
		(ppm/°C)	±1% (F)	±2% (G)	±5% (J)		С	М	
KRL1608*2	0.5W	±50	10m≦R≦100m		_				Т5
KIILIOOO	0.00	±100	_	5m≦R≦9m	_	*3 E-6	-55℃ ~ 175℃	-55℃ ~ 155℃	
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				11
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	-	_				T1
		±100	-	R=2m	_				
		±150	_	_	R=1m				
KRL15075	10W	±50	10m≦R≦500m	_	_				T05
		±100	3m≦R≦9m (1m step)	R=2m	R=1m				T1
*4 . \\\/		±150	— — — — — —						

- We can meet your requirement of less than $1m\Omega$. Please contact our sales office.
- For KRL1608, please contact our sales office
 We can meet your requirement of resistance value outside of E-6 series. Please contact our sales office

♦Dimensions



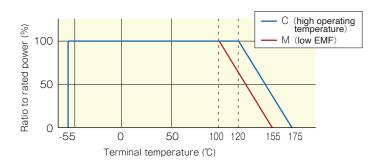


Туре	Size (inch)	L	w	t	а	
KRL1608 ^{*1}	0306	0.80±0.20	1.60±0.20	0.50±0.20	0.25±0.20(5mΩ~)	
KRL2012	0508	1.25±0.20	2.00±0.20	0.50±0.20	0.30±0.20(2mΩ~)/0.55±0.20(1mΩ)	
KRL3216	0612	1.60±0.20	3.20±0.20	0.50±0.20	0.30±0.20(2mΩ~)/0.55±0.20(1mΩ)	
KRL5025	1020	2.50±0.20	5.00±0.20	0.50±0.20	0.55±0.20(2mΩ~)/0.90±0.20(1mΩ)	
KRL6432	1225	3.10±0.20	6.30±0.20	0.50±0.20	0.50±0.20(2mΩ~)/1.20±0.20(1mΩ)	
KRL7638	1530	3.80±0.20	7.60±0.20	0.50±0.20	0.60±0.20(2mΩ~)/1.35±0.20(1mΩ)	
KRL9045	1835	4.50±0.20	9.00±0.20	0.50±0.20	0.70±0.20(2mΩ~)/1.60±0.20(1mΩ)	
KRL11050	2043	5.00±0.20	11.00±0.20	0.50±0.20	0.80±0.20(2mΩ~)/1.60±0.20(1mΩ)	
KRL15075	3059	7.50±0.20	15.00±0.20	0.65±0.20	1.10±0.20(2mΩ~)/2.75±0.20(1mΩ)	

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

(unit:mm)

♦Derating Curve



Mouser Electronics

Authorized Distributor

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

Susumu:

KRL7638D-C-R220-F-T5 KRL7638D-C-R330-F-T5 KRL7638D-C-R470-F-T5 KRL7638E-C-R150-F-T5 KRL7638E-C-R220-F-T5 KRL6432E-M-R220-F-T5 KRL6432E-M-R330-F-T1 KRL6432E-M-R330-F-T5 KRL6432E-M-R470-F-T1 KRL6432E-M-R470-F-T5 KRL7638D-C-R150-F-T5 KRL6432E-C-R330-F-T5 KRL6432E-C-R470-F-T1 KRL6432E-C-R470-F-T5 KRL6432E-M-R150-F-T1 KRL6432E-M-R150-F-T5 KRL6432E-M-R220-F-T1 KRL6432E-C-R150-F-T5 KRL6432E-C-R220-F-T1 KRL6432E-C-R220-F-T5 KRL6432E-C-R330-F-T1 KRL9045E-M-R330-F-T5 KRL9045E-M-R470-F-T5 KRL6432D-C-R150-F-T1 KRL9045E-C-R220-F-T5 KRL9045E-C-R330-F-T5 KRL9045E-C-R470-F-T5 KRL9045E-M-R150-F-T5 KRL9045E-M-R220-F-T5 KRL6432D-C-R015-F-T1 KRL6432D-C-R022-F-T1 KRL6432D-C-R033-F-T1 KRL6432D-C-R047-F-T1 KRL6432D-C-R068-F-T1 KRL6432D-C-R100-F-T1 KRL6432D-C-R007-F-T1 KRL6432D-C-R008-F-T1 KRL6432D-C-R009-F-T1 KRL6432D-C-R010-F-T1 KRL9045D-C-R150-F-T5 KRL9045D-C-R220-F-T5 KRL9045D-C-R330-F-T5 KRL9045D-C-R470-F-T5 KRL9045D-M-R470-F-T5 KRL9045E-C-R150-F-T5 KRL7638E-C-R330-F-T5 KRL7638E-C-R470-F-T5 KRL7638E-M-R150-F-T5 KRL7638E-M-R220-F-T5 KRL7638E-M-R330-F-T5 KRL7638E-M-R470-F-T5 KRL6432D-M-R220-F-T1 KRL6432D-M-R220-F-T5 KRL6432D-M-R330-F-T1 KRL6432D-M-R470-F-T1 KRL6432D-M-R470-F-T5 KRL6432E-C-R150-F-T1 KRL6432D-M-R033-F-T1 KRL6432D-M-R047-F-T1 KRL6432D-M-R068-F-T1 KRL6432D-M-R100-F-T1 KRL6432D-M-R150-F-T1 KRL6432D-M-R150-F-T5 KRL6432D-M-R007-F-T1 KRL6432D-M-R008-F-T1 KRL6432D-M-R009-F-T1 KRL6432D-M-R010-F-T1 KRL6432D-M-R015-F-T1 KRL6432D-M-R022-F-T1 KRL6432D-M-R001-J-T1 KRL6432D-M-R002-G-T1 KRL6432D-M-R003-F-T1 KRL6432D-M-R004-F-T1 KRL6432D-M-R005-F-T1 KRL6432D-M-R006-F-T1 KRL6432D-C-R150-F-T5 KRL6432D-C-R220-F-T1 KRL6432D-C-R330-F-T1 KRL6432D-C-R330-F-T5 KRL6432D-C-R470-F-T1 KRL6432D-C-R002-G-T1 KRL6432D-C-R003-F-T1 KRL6432D-C-R004-F-T1 KRL6432D-C-R005-F-T1 KRL6432D-C-R006-F-T1 KRL6432D-R001-J-T1 KRL3216E-M-R220-F-T1