



Metal foil low resistance chip resistors (4 terminal type)

■KRL series

Features

- Separated voltage terminal for precise measurement of voltage
- TCR stable at very low resistance: $4\text{m}\Omega$: $\pm 50\text{ppm}/^\circ\text{C}$
- Power ratings: $1\text{W} \sim 5\text{W}$

Applications

- Smartphones, mobile telephones, PCs, HDD, audio visual equipment, power devices, inverters.
- automotive electronics, industrial measurement instrumentation/equipment.



◆Part numbering system

KRL 3216T4 - M - R010 - F - T1
(KRL 3216T4A - M - R010 - F - T1)

Series code

Size: KRL3216T4, KRL6432T4, KRL7638T4
 KRL9045T4, KRL11050T4,

Temperature characteristics type: M (low EMF)

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

Resistance tolerance

Nominal resistance value

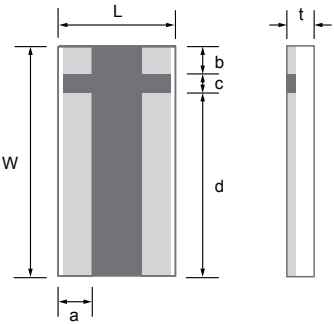
◆Electrical Specification

Type	Power ratings	Temperature coefficient of resistance	Resistance range(Ω) Resistance tolerance ^{*1}			Resistance value series	Operating temperature	Packaging quantity
		(ppm/ $^\circ\text{C}$)	$\pm 1\%$ (F)	$\pm 2\%$ (G)	$\pm 5\%$ (J)			
KRL3216T4 (KRL3216T4A)	1W	± 50 (± 35)	$4\text{m}\Omega \leq R \leq 9\text{m}\Omega$ (1m step) $10\text{m}\Omega \leq R \leq 100\text{m}\Omega$ $R=200\text{m}\Omega, 500\text{m}\Omega$	—	—	E6 ^{*2}	$-55^\circ\text{C} \sim 155^\circ\text{C}$ (Code M)	T1 T5
		± 100 (± 75)	$R=3\text{m}\Omega$	$R=2\text{m}\Omega$	$R=1\text{m}\Omega$			
KRL6432T4	2W	± 50	$4\text{m}\Omega \leq R \leq 9\text{m}\Omega$ (1m step) $10\text{m}\Omega \leq R \leq 100\text{m}\Omega$ $R=200\text{m}\Omega, 500\text{m}\Omega$	—	—			
		± 100	$R=3\text{m}\Omega$	$R=2\text{m}\Omega$	$R=1\text{m}\Omega$			
KRL7638T4	3W	± 50	$4\text{m}\Omega \leq R \leq 9\text{m}\Omega$ (1m step) $10\text{m}\Omega \leq R \leq 100\text{m}\Omega$ $R=200\text{m}\Omega, 500\text{m}\Omega$	—	—			
		± 100	$R=3\text{m}\Omega$	$R=2\text{m}\Omega$	$R=1\text{m}\Omega$			
KRL9045T4	4W	± 50	$4\text{m}\Omega \leq R \leq 9\text{m}\Omega$ (1m step) $10\text{m}\Omega \leq R \leq 100\text{m}\Omega$ $R=200\text{m}\Omega, 500\text{m}\Omega$	—	—			
		± 100	$R=3\text{m}\Omega$	$R=2\text{m}\Omega$	$R=1\text{m}\Omega$			
KRL11050T4	5W	± 50	$4\text{m}\Omega \leq R \leq 9\text{m}\Omega$ (1m step) $10\text{m}\Omega \leq R \leq 100\text{m}\Omega$ $R=200\text{m}\Omega, 500\text{m}\Omega$	—	—			T1
		± 100	$R=3\text{m}\Omega$	$R=2\text{m}\Omega$	$R=1\text{m}\Omega$			

*1 We can meet your requirement of less than $1\text{m}\Omega$. Please contact our sales office.

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

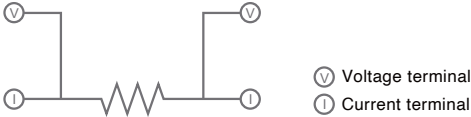
◆Dimensions



Type	Size (inch)	L	W	a	b	c	d	t
KRL3216T4	0612	1.60±0.20	3.20±0.20	0.35±0.20	0.35±0.15	0.20±0.10	2.65±0.15	0.50±0.20
KRL3216T4A	0612	1.60±0.20	3.20±0.20	0.45±0.20	0.50±0.20	0.50±0.20	2.20±0.20	0.50±0.20
KRL6432T4	1225	3.20±0.20	6.40±0.20	0.50±0.20	0.70±0.15	0.50±0.10	5.20±0.15	0.50±0.20
KRL7638T4	1530	3.80±0.20	7.60±0.20	0.55±0.20	0.80±0.20	0.60±0.20	6.20±0.10	0.50±0.20
KRL9045T4	1835	4.50±0.20	9.00±0.20	0.50±0.20	0.70±0.20	0.50±0.20	5.20±0.10	0.50±0.20
KRL11050T4	2043	5.00±0.20	11.0±0.20	0.70±0.20	1.40±0.20	1.10±0.20	8.50±0.10	0.50±0.20

(unit : mm)

◆Circuit diagram



◆Derating Curve

