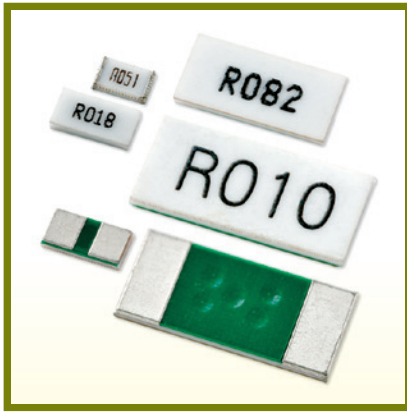




**THE DATASHEET OF
KRL1632E-M-R150-F-T5**





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

■ KRL series

AEC-Q200 Compliant

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

Series code

Size: KRL0510, KRL0816, KRL1220, KRL1632
KRL2550, KRL3264, KRL50110

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

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

Resistance tolerance

Nominal resistance value

Temperature characteristics type:
C (high operating temperature), M (low EMF), Z (High precision TCR)

◆ Electrical Specification

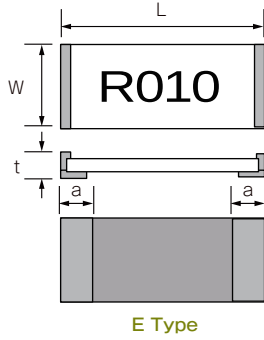
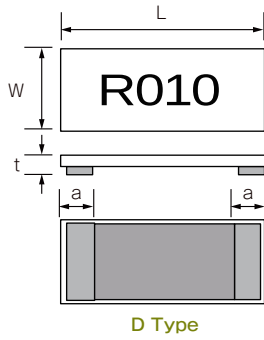
| Type | Power ratings | Temperature coefficient of resistance (ppm/°C) | Resistance range(Ω) ^{*1} | | Resistance tolerance | Resistance value series | Operating temperature | | | Packaging quantity | |
|-----------------------|---------------|--|-----------------------------------|---------|----------------------|--------------------------|-----------------------|---------------|---------------|--------------------|----|
| | | | ±1% (F) | ±2% (G) | | | C | M | Z | | |
| KRL0510 ^{※2} | 0.2W | ±50 ±100 | 50m≤R≤100m | | | E-6 / E-12 ^{※3} | -55°C ~ 175°C | -55°C ~ 155°C | -55°C ~ 155°C | 10,000pcs | |
| KRL0816 | 0.3W | ±50 ±100 | 10m≤R≤500m | — | | | | | | T1 | |
| KRL1220 | 0.5W | ±50 ±100 | 5m≤R≤9m(1m step) | | | | | | | T5 | |
| KRL1632 | 0.75W | ±50 ±100 | 10m≤R≤500m | — | | | | | | | |
| KRL2550 | 1.5W | ±50 ±100 | 3m≤R≤9m(1m step) | | | | | | | | |
| KRL3264 | 3W | ±50 ±100 ±200 | 10m≤R≤1000m | — | | | | | | | |
| KRL50110 | 5W | ±50 | 3m≤R≤9m(1m step) | 2m | | | | | | | |
| | | ±100 | 10m≤R≤1000m | — | | | | | | | |
| | | | 5m≤R≤9m(1m step) | | | | | | | | T1 |

*1 We can meet your requirement for resistance value not specified in above table. Please contact our sales office.

*2 For KRL0510, please contact our sales office

*3 We can meet your requirement outside of E-6/E-12 series resistance. Please contact our sales office.

◆ Dimensions



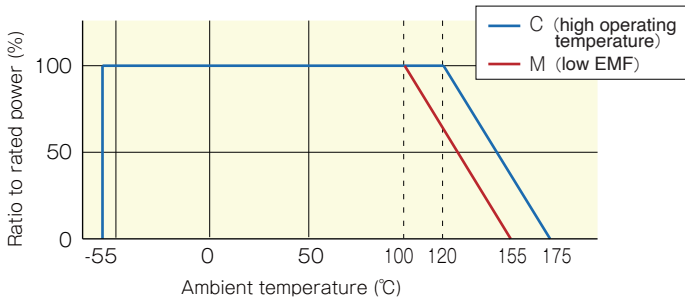
| Type | Size (inch) | L | W | t | a |
|----------|-------------|------------|-----------|-----------|---|
| KRL0510 | 0402 | 1.00±0.20 | 0.50±0.20 | 0.40±0.20 | 0.30±0.20 |
| KRL0816 | 0603 | 1.60±0.20 | 0.80±0.20 | 0.50±0.20 | 0.30±0.15(5mΩ) / 0.70±0.15(6 ~ 18mΩ) 0.55±0.15(20 ~ 39mΩ) / 0.30±0.15(47mΩ~) |
| 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(5 ~ 8mΩ) |
| 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)

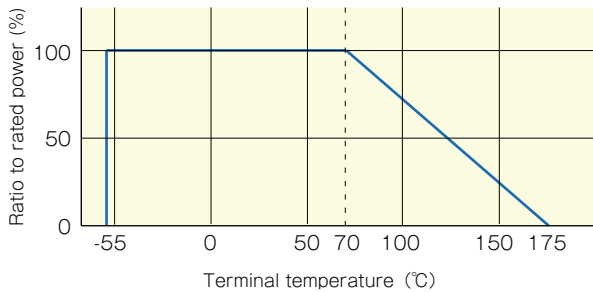
Current sensing surface mount resistors

KRL series

◆ Derating Curve



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



Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View KRL1632E-M-R150-F-T5 on WIN SOURCE](#)
- [Susumu Information](#)

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- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management