

Metal foil low resistance chip resistors (4 terminals type)

■ KRL series

Features

- Depending to the application, choose to suit high-temperature durable material or low emf materials (operating temperature~155°C) .
- Temperature Coefficient of Resistance at very low resistance value, 4mΩ~: ±50ppm/°C, is extremely stable.
- Face down in the specification, you can achieve good detection accuracy.
- Rated power : 1W~2W.
- Exterior resin is halogen-free environment-friendly products.

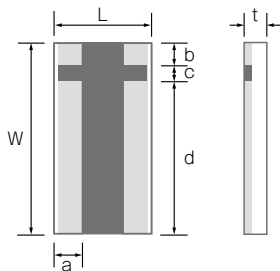


Applications

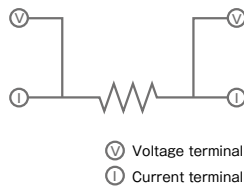
- Smart phones, mobile phones, PCs, hard drive discs, audio visual equipments, power sources, inverters, automotive electronics, industrial machining equipments, industrial test and measurements, etc.

Specifications

Dimensions



Equivalent circuits



| Dimensions (mm) | KRL3216T4A (1206) | KRL6432T4 (2512) |
|-----------------|-------------------|------------------|
| L | 1.60±0.20 | 3.20±0.20 |
| W | 3.20±0.20 | 6.40±0.20 |
| a | 0.35±0.20 | 0.50±0.20 |
| b | 0.35±0.15 | 0.70±0.15 |
| c | 0.20±0.10 | 0.50±0.10 |
| d | 2.65±0.15 | 5.20±0.15 |
| t | 0.50±0.20 | 0.50±0.20 |

Electrical characteristics

| Series name | | KRL3216T4 A | | | | | | KRL6432T4 | | | | | |
|--|----------|-------------|----|--------|------|------|------|-----------|----|--------|------|------|------|
| Power | | 1W | | | | | | 2W | | | | | |
| E series offered | | 1mΩSTEP | | | E-6 | | | 1mΩSTEP | | | E-6 | | |
| Resistance range (Ω) | | 1m~2m | 3m | 4m~10m | 100m | 200m | 500m | 1m~2m | 3m | 4m~10m | 100m | 200m | 500m |
| Resistance tolerance (%) | ±1.0 (F) | — | ○ | ○ | ○ | ○ | ○ | — | ○ | ○ | ○ | ○ | ○ |
| | ±2.0 (G) | ○ | — | — | — | — | — | ○ | — | — | — | — | — |
| Temperature coefficient of resistance (ppm/°C) | ±50 | — | — | ○ | ○ | ○ | ○ | — | — | ○ | ○ | ○ | ○ |
| | ±100 | ○ | ○ | — | — | — | — | ○ | ○ | — | — | — | — |
| Operating temperature | | -55°C~155°C | | | | | | | | | | | |
| Rated ambient temperature | | 70°C | | | | | | | | | | | |
| Packaging | 1,000pcs | ○ | | | | | | ○ | | | | | |
| | 5,000pcs | ○ | | | | | | ○ | | | | | |

Part numbering system

KRL 3216T4A -M- R010 - F - T1

Packaging:T1 (1000pieces) T5 (5000pieces)

Resistance tolerance

Resistance value

Operating temperature:M (Low emf type)

Size

Series code