

Precision current sensing low resistance chip resistors Metal foil, long-side terminal/ short-side terminal, face down. KRL series



Two types are available: for high temperature application (up to 170°C) and for low thermal emf application. Excellent TCRs: +/-150ppm/°C for 1mΩ, +/-100ppm/°C for 2mΩ, +/-50ppm/°C for 3mΩ. Face down mounting offers accurate sensing. Depending on customers' applications, we offer long-side terminal type and short-side terminal type ranging from 1/3W to 5W power rating. Protective coating used is halogen free showing our commitment to environment.

RoHS compliant

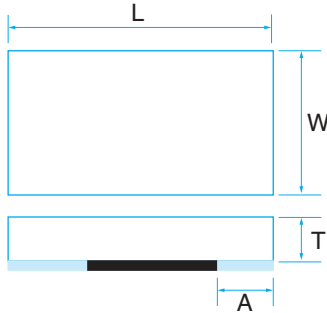
Completely lead free



SPECIFICATIONS

Short-side terminal

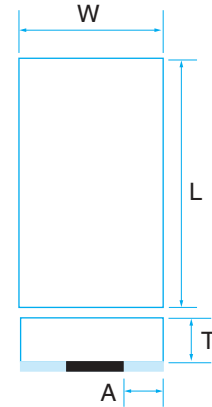
Mechanical



| Dimensions (mm) | KRL1220 | KRL1632 | KRL3264 |
|-----------------|-----------|-----------|-----------|
| L | 2.0±0.20 | 3.2±0.20 | 6.3±0.20 |
| W | 1.25±0.20 | 1.6±0.20 | 3.1±0.20 |
| T | 0.5±0.20 | 0.5±0.20 | 0.5±0.20 |
| A (5.0~7.0mΩ) | 0.4±0.20 | 1.10±0.20 | 1.90±0.20 |
| A (8.0mΩ~) | | 0.4±0.20 | 1.0±0.20 |

Long-side terminal

Mechanical



| Dimensions (mm) | KRL2012 | KRL3216 | KRL6432 | KRL7638 | KRL9045 | KRL11050 |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|
| L | 2.0±0.20 | 3.2±0.20 | 6.3±0.20 | 7.6±0.20 | 8.9±0.20 | 11.0±0.20 |
| W | 1.25±0.20 | 1.6±0.20 | 3.1±0.20 | 3.8±0.20 | 4.5±0.20 | 5.0±0.20 |
| T | 0.5±0.20 | 0.5±0.20 | 0.5±0.20 | 0.5±0.20 | 0.5±0.20 | 0.5±0.20 |
| A (1mΩ) | 0.55±0.20 | 0.60±0.20 | 1.20±0.20 | 1.35±0.20 | 1.60±0.20 | 1.80±0.20 |
| A (2mΩ) | 0.40±0.20 | 0.40±0.20 | 0.50±0.20 | 0.60±0.20 | 0.70±0.20 | 0.80±0.20 |
| A (3mΩ~) | 0.30±0.20 | 0.30±0.20 | | | | |

Electrical

| Type | KRL1220 | KRL1632 | KRL3264 |
|-----------------------|------------------------------------|---------|---------|
| Power | 0.3W | 0.5W | 1.0W |
| Resistance Range(Ω) | 10m~100m | 5m~100m | |
| Tolerance % (code) | 5~9m : ±2.0 (G) 10m~ : ±1.0 (F) | | |
| TCR ppm /°C | 5~9m : ±100 10m~ : ±50 | | |
| Operating Temp. Range | C : -55~170°C M : -55~155°C | | |

· Contact our sales office for wrap around terminal ERL series.

Electrical

| Type | KRL2012 | KRL3216 | KRL6432 | KRL7638 | KRL9045 | KRL11050 |
|-----------------------|--|---------|---------|---------|---------|----------|
| Power | 0.66W | 1.0W | 2.0W | 3.0W | 4.0W | 5.0W |
| Resistance Range(Ω) | 1m~50m | | 1m~100m | | | |
| Tolerance % (code) | 1m : ±5.0 (J) 2m : ±2.0 (G) 3m~ : ±1.0 (F) | | | | | |
| TCR ppm /°C | 1m : ±150 2m : ±100 3m~ : ±50 | | | | | |
| Operating Temp. Range | C : -55~170°C M : -55~155°C | | | | | |



PART NUMBER

KRL 6432 - C - R010 - F - T1

