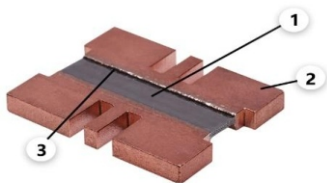


## ● Features

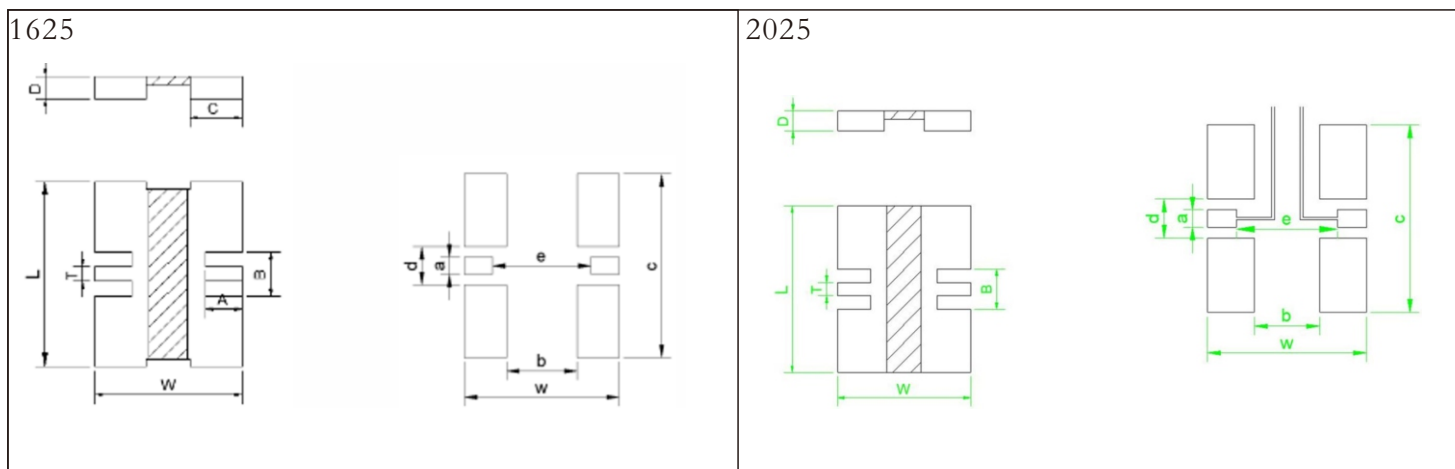
- High reliability,high overload capacity,high product accuracy
- RoHS compliant
- Excellent long-term stability
- Very low inductance
- Custom special specifications

## ● Construction



Item No.	Part name
1	Resistor Body (Alloy)
2	(T2 copper)
3	Precision welded

## ● Dimensions&Recommended Solder Pad Layout



Type	Size (mm)	L	W	A	B	C	D	T	w	c	a	b	d	e
LRC	1625	21 ± 1.0	16 ± 1.0	0.35 ± 2	6 ± 0.5	5 ± 1	3 ± 0.5	2 ± 0.1	18	26	2.4	9	6	14
	2025	25 ± 0.5	20 ± 0.5	-	6 ± 0.5	-	3 ± 0.5	2 ± 0.1	22	26	2.4	9	6	14

## ● Ordering Information

Example

LRC	1625	150A	F	1mΩ	E	M
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Type	Size (inch)	Current Rated	Resistance Tolerance	Reisittance	Package	Material

(1)Type:LRC

(2)Size:1625、 2025

(3)Current Rated:80A、 120A、 150A、 200A

(4)Resistance Tolerance: F= ± 1%

(5)Reisittance:R0001=0R1mΩ,R001=1mΩ,

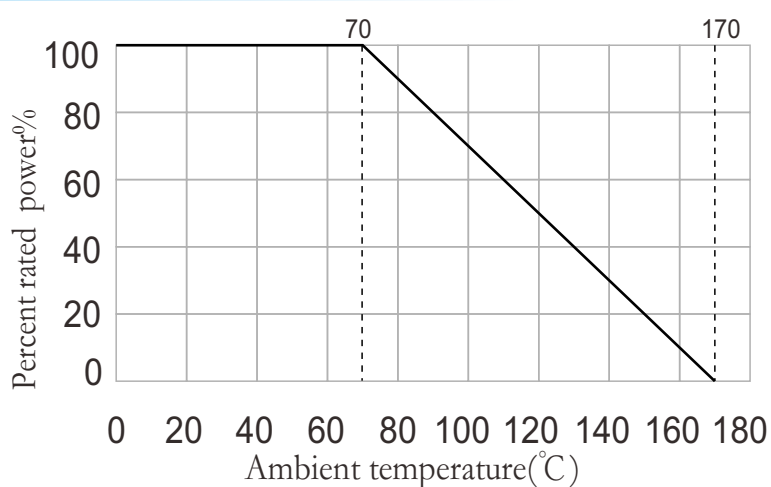
(6)Package:E= Embossed taping

(7)Material:M =Manganin、 K =Karma Alloy、 F =FeCrAl Alloy

## ● Power And Resistance etc

Item Type	Current Rated (A)	Resistance Range (mΩ)	Operating Temp. Range	20~60°C TCR (PPM/°C)	Tolerance (%)	Material
LRC (1625)	80A	0.5	-55~+170°C	± 20	F= ± 1% J= ± 5%	MnCu/Karma
	120A	0.2				Karma
	150A	0.1				Karma
LRC(2025)	120A	0.3		± 25		MnCu/Karma
	120A	0.2				
	15A	0.1				

## ● Derating Curve



For resistors operated in ambient over 70°C, rated load (rated power) shall be derated in accordance with the above figure.

## ● Performance

Item	Requirement	Test Method
Resistance to Soldering Heat	260° C for 10 sec / 8h steam aging	n.a.
Temperature Cycling	2000 cycles (-55° C to +150° C)	≤ ±1.0%
Short time Overload	Applied 5X Rated Power for 5 seconds ,then measure its resistance variance rate.	≤ ±1.0%
Solderability	245°C ± 5°C time: 3sec ± 0.5sec	95%coverage minimum