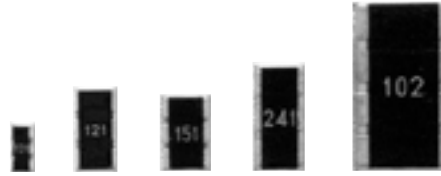
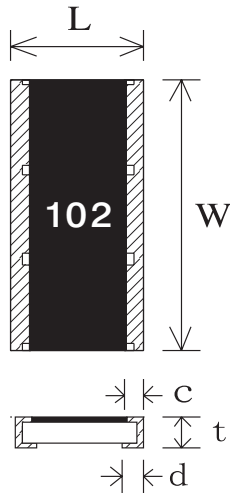


Long Side Termination Thick Film Power Chip Resistors

● Dimensions



Parts No.	Case(mm)	Case(inch)	Dimensions(mm)					Packaging Q'ty
			L	W	C	d	t	
LCP1/2W	3216	1206	1.55±0.15	3.10±0.20	0.25±0.2	0.4±0.2	0.55±0.10	5,000
LCP1WS	5025	1210	2.60±0.15	5.10±0.20	0.25±0.2	0.8±0.2	0.55±0.10	4,000
LCP1W	4532	1812	3.10±0.15	4.50±0.20	0.4±0.2	0.5±0.2	0.55±0.10	4,000
LCP2W	6432	2512	3.10±0.15	6.40±0.20	0.4±0.2	0.9±0.2	0.55±0.10	4,000
LCP3W	1058	4022	5.80±0.15	10.00±0.20	0.4±0.2	1.0±0.2	0.55±0.10	1,000

Features

- Compact, thin and high power chip resistors.
- Solder-joint strength improves by wide electrode construction.
- Excellent heat dissipation characteristics by resistance structure and wide electrode construction.

● Product Code Explanation (How to Order)

L C P 1 W — 1 0 2 J T

Parts No. High Power Chip Res.	Type 1 / 2W, 1WS, 1W, 2W, 3W	Nominal Res. Value 3 digits code. E24 VALUES ONLY Ex : 102=1k Ω	Res. Tolerance D (±0.5%), F(±1%), J(±5%)	Packaging T(Taped & Reel)
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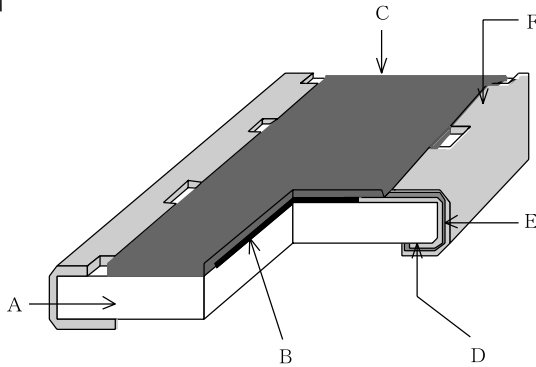
***SEE E24 CHART ON BELOW**

***E96 VALUES AVAILABLE FOR LARGE VOLUME ONLY
contact sales rep for details**

E24 Code	10	11	12	13	15	16	18	20	22	24	27	30	33	36	39	43	47	51	56	62	68	75	82	91
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Long Side Termination Thick Film Power Chip Resistors

● Construction



A	Ceramic substrate
B	Resistive film
C	Protective coating
D	Inner electrode
E	Ni plating
F	Sn plating

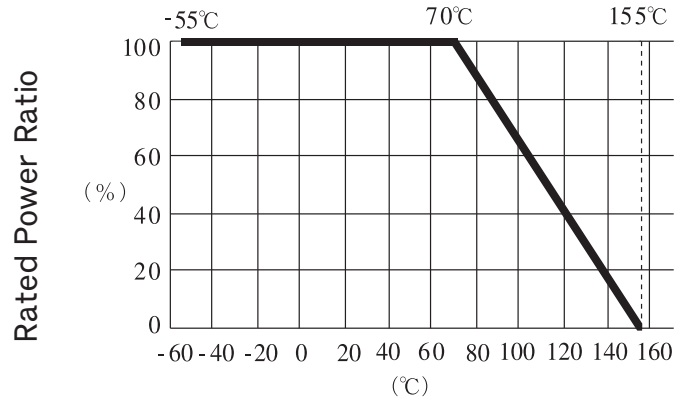
● Rating

Parts No.	Rated Power	Max. Working Voltage	Max. Overload Voltage	Resistance Tolerance	Resistance Range	T.C.R. (ppm/°C)
LCP1/2W	1/2W	200V	400V	D : (±0.5%) F : (±1%) J : (±5%)	1Ω ~ 2Ω	± 250ppm
LCP1WS	1W					
LCP1W	1W					
LCP2W	2W				2.2Ω ~ 2.2MΩ	± 100ppm
LCP3W	3W					

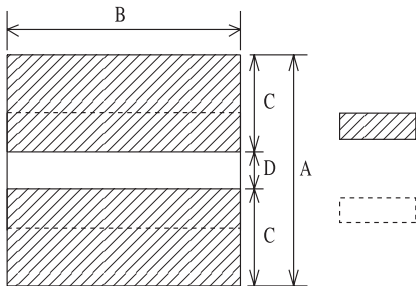
Note 1. Operating Temperature Range : - 55 ~ +155°C
 2. Rated voltage = $\sqrt{\text{Power Rating} \times \text{Resistance Value}}$

● Power Derating Curve

If the ambient temperature exceeds 70°C, the rated power has to be derated according to the "power derating curve" shown right.



Recommended Pad Dimensions



Ambient Temperature

Type	A	B	C	D
LCP1/2W	3.5	3.1	1.4	0.7
LCP1WS	7.6	5.1	3.3	1.0
LCP1W	8.0	4.5	3.5	1.0
LCP2W	8.0	6.4	3.5	1.0
LCP3W	10.0	10.0	3.1	3.8

※ An above recommendation land pattern is a normal pattern, and it is not a thing guaranteeing a characteristic. Please confirm it on the occasion of use again.