LXP100

Power Type Thick Film Non Inductive Resistor

Product Features

• Installed on the radiator, with a rated power of 100 watts at 25℃; The rated power is 3.5 watts at room temperature of 25℃ without using heat sinks

• TO-247 molded plastic packaging

• Only one screw is needed to install it on the radiator

• Highly protective molded plastic outer box, and easy to install

• High insulation degree

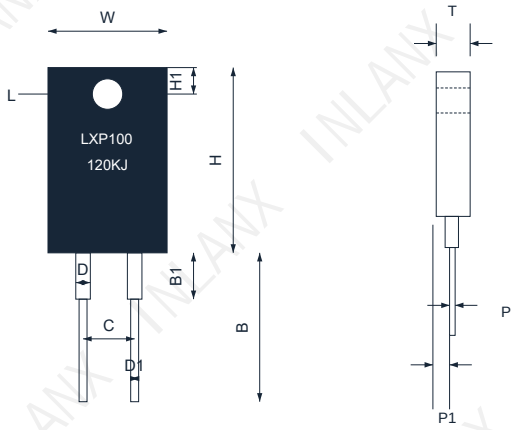
• Sensorless design



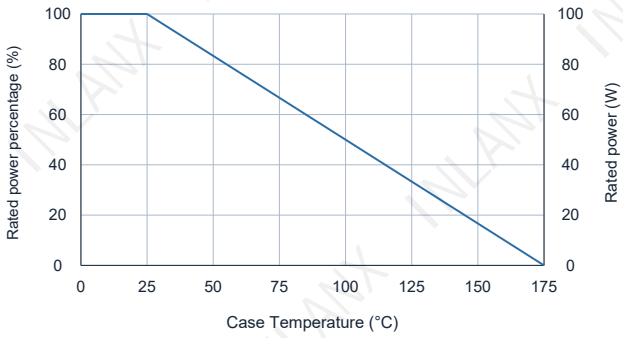
Applications

Used for the inlet end of power supply, power load and discharge resistor of screen picture tube, low-energy pulse load, voltage rectifier, buffer circuit, UPS

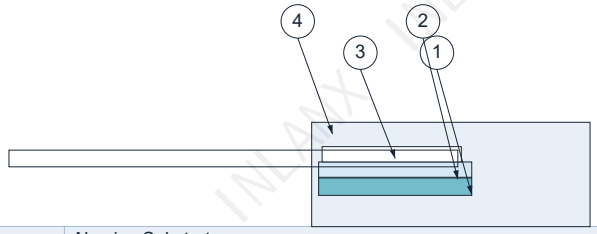
Dimensions (mm)



Derating Curve

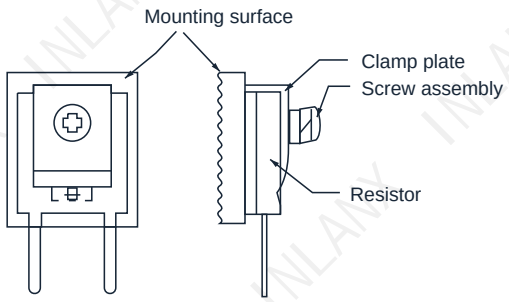


Structural Diagram



1	Alumina Substrate
2	Resistor Layer
3	Lead
4	Molding

Installation Diagram



Type	W ±0.3	H ±0.5	H1 ±0.1	B ±0.5	B1 ±0.1	D ±0.1	D1 ±0.1	L ±0.1	C ±0.3	T ±0.3	P ±0.1	P1 ±0.1
LXP100	15.6	20.4	5.4	14	2.4	3.6	1.45	3.6	8.7	4.9	0.6	2.1

LXP100

Test Items & Ordering

Test Items and Methods

Test project	Basic Requirements	Test Method
Short term overload	▵R±0.5%	1.5 times the rated power, but not exceeding 1.5 times the maximum withstand voltage, for 5 consecutive seconds
Load Life	▵R±1.0%	2000 hours at rated power
Humidity test	▵R±0.5%	-Maintain at maximum operating voltage for 240 hours at 10℃~+65℃ and humidity>90%
solderability	More than 90% covered with new tin	245±5℃ for 3 seconds
Thermal Shock	▵R±0.5%	65℃~+150℃, 100 cycles
Lead strength	▵R±0.2%	(Tensile test) 2.4 Newtons
High-frequency vibration	▵R±0.4%	20 grams of vibration
Dielectric Strength	▵R±0.15%	1800v AC, 60 seconds
Temperature Cycling	ΔR±0.3%	-65°C~+150°C, 1000 cycles

Ordering Example: LXP100-120R-J

LXP100	100W	120R	J
Model LXP100	Rated power 100 W	Resistance 120R	Accuracy D: 0.5% F: ±1% J: ±5%