LXP35

Power Type Thick Film Non Inductive Resistor

Product Features

• Installed on the radiator, with a rated power of 35 watts at 25℃; The rated power is 2.5 watts at room temperature of 25℃ without using heat sinks

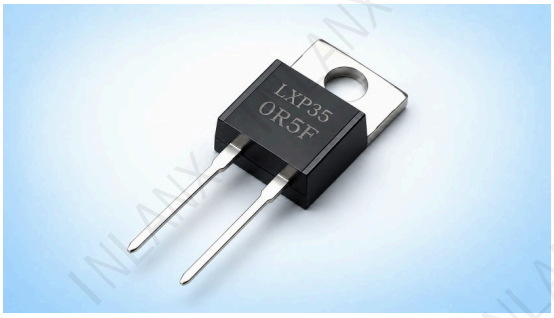
• TO-220 power type package

• With just one screw, it can be installed on the radiator

• The conductive part is insulated from the metal substrate, with high insulation level

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

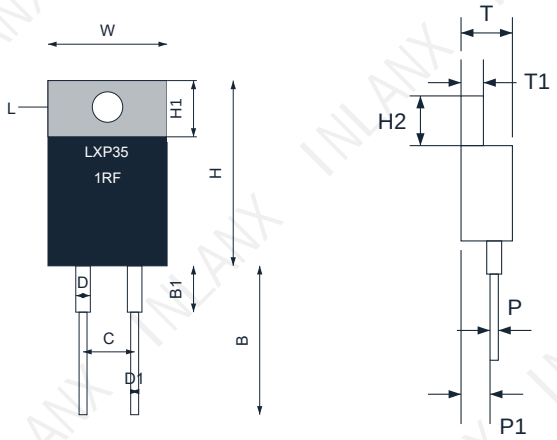
• Sensorless design



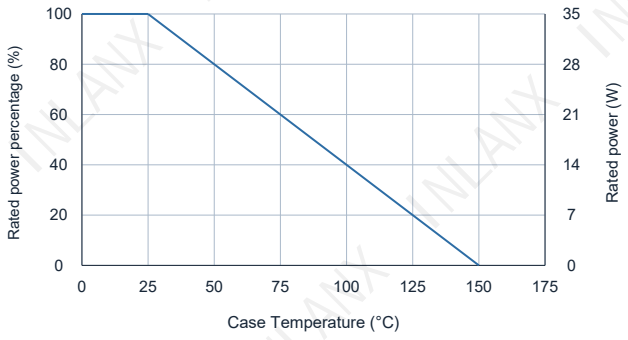
Applications

RF power amplifier, buffer circuit, switched power supply, automation controller, uninterruptible power supply, voltage regulation, low-energy pulse loading, UPS

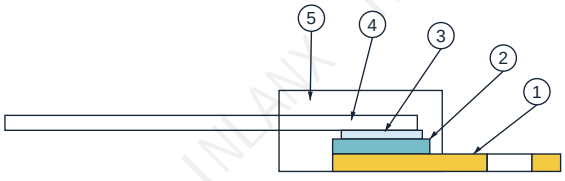
Dimensions (mm)



Derating Curve



Structural Diagram



1	Radiator Fin
2	Alumina Substrate
3	Resistor Layer
4	Copper Lead
5	Molding

Type	W ±0.3	H ±0.5	H1 ±0.1	H2 ±0.3	B ±0.5	B1 ±0.1	D ±0.1	D1 ±0.1	L ±0.1	C ±0.3	T ±0.3	T1 ±0.1	P ±0.1	P1 ±0.1
LXP10	10.1	15.0	3.0	6.35	14.0	3.25	1.35	0.8	3.6	4.3	4.5	1.15	0.60	2.08
LXP20	10.1	15.0	3.0	6.35	14.0	3.25	1.35	0.8	3.6	4.3	4.5	1.15	0.60	2.08
LXP35	10.1	15.0	3.0	6.35	14.0	3.25	1.35	0.8	3.6	4.3	4.5	1.15	0.60	2.08

LXP35

Test Items & Ordering

Test Items and Methods

Test project	Basic Requirements	Test Method
Short term overload	▵R±0.3%	2 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 1000 hours at maximum operating voltage at 40±2℃ and 90-95% humidity (1.5 hours "on", 0.5 hours "off")
solderability	More than 90% covered with new tin	245±5℃ for 3 seconds
Thermal Shock	▵R±0.3%	65℃~+150℃, 100 cycles
Lead strength	▵R±0.2%	(Tensile test) 2.4 Newtons
High-frequency vibration	▵R±0.2%	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: LXP35-120R-J

LXP35	35W	120R	J
Model LXP35	Rated power 35 W	Resistance 120R	Accuracy D: 0.5% F: ±1% J: ±5%