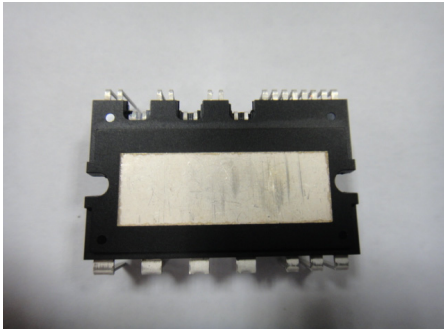


Data Sheet – IPM



DESCRIPTION

Lingsen's IPM is a lead frame based, encapsulated package . It can be customized for individual customer needs.

It is widely used for commercial or industry inverter driver.

APPLICATIONS

- Air conditioner.
- Motor drive for household electric.
- Low power industry applications.

SPECIFICATIONS

Lead frame: C194

Die Attach: SAC305 or equilibrium

Alumina and Gold Wire: 99.99%Al and Au.

Encapsulated material: EME-E210 LA

Marking: Laser.

FEATURES

- Build-in pre-drive IC.
- MOSFET or IGBT power element.
- 3 phase inverter driver for small power AC motor drives.

PACKAGE AVAILABILITY

Package Size (mm)	Lead pitch (mm)	Lead Count
44X26.8X5.04	1.778/2.05/2.53	27

RELIABILITY

Temperature Cycling	-40°C/125°C, 10 cycles.
Thermal shock	100°C, 10 cycles.
High temp. storage	150°C, 1000 hrs.
Low temp. storage	-40°C, 1000 hrs.

Data Sheet – IPM

THERMAL PERFORMANCE

Package	Body size (mm)	Pad size (mm)	Die size (mm)	Thermal Performance ψ_{ja} ($^{\circ}\text{C}/\text{W}$)
IPM	44X26.8X5.04			IGBT 1.5/ Diode 2.0

ELECTRICAL PERFORMANCE

Package	Body size (mm)	Pad size (mm)	Frequency (MHz)	Self inductance (nH)	Self capacitance (pF)	Resistance (mohm)

CROSS-SECTION

