

Trans IGBT Chip N-CH 3000V 27A 110mW 3-Pin ISOPLUS I4-PAC



Images are for reference only

[Inquiry](#)

Manufacturer: [Littelfuse Inc](#)

Package/Case: C0603

Product Type: Thyristors

RoHS: RoHS Compliant/Lead free 

Lifecycle: NRND

General Description

BiMOSFETs are devices, which have combined strengths of MOSFETs and IGBTs. Non-epitaxial construction and new fabrication processes were used in making BiMOSFETs a great success. These high voltage devices are ideal for parallel operation due to the positive voltage temperature coefficient of both of its saturation voltage, and the forward voltage drop of its intrinsic diode. Furthermore, this “free” intrinsic body diode serves as a protection diode, providing an alternative path for the inductive load current during device turn-off, preventing high Ldi/dt voltage transients from inflicting damage to the device.

Key Features

- High power density
- High frequency operation
- Low conduction losses
- MOS gate turn on for drive simplicity
- 4000V electrical isolation
- Advantages:
- Low gate drive requirements
- Space savings (eliminates multiple series-parallel lower voltage, lower current rated devices)
- Easy to mount

Application

- Switched-mode and resonant-mode power supplies
- Uninterruptible Power Supplies (UPS)
- Laser and X-ray generators
- Capacitor discharge circuits
- High voltage pulser circuits
- High voltage test equipment
- AC switches

Recommended For You

IXGH48N60C3D1

Littelfuse Inc

TO-247

IXYX100N120C3

Littelfuse Inc

PLUS247

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TO-247

IXYN30N170CV1

Littelfuse Inc

N

IXBH16N170

Littelfuse Inc

TO-247

IXGH60N60C2

Littelfuse Inc

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IXGH48N60A3

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IXGN320N60A3

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MODULE

IXGH60N60C3

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IXGP20N120A3

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IXYR50N120C3D1

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