

Trans IGBT Chip N-CH 2500V 60A 250mW 3-Pin(3+Tab) TO-247



Images are for reference only

[Inquiry](#)

Manufacturer: [Littelfuse Inc](#)

Package/Case: TO-247

Product Type: Thyristors

Lifecycle: Active

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

IXGH30N60B2D1

Littelfuse Inc

TO-247

IXYN30N170CV1

Littelfuse Inc

N

IXBH16N170

Littelfuse Inc

TO-247

IXGH60N60C2

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IXGH48N60A3

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IXGN320N60A3

Littelfuse Inc

MODULE

IXGH60N60C3

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IXGP20N120A3

Littelfuse Inc

TO-220

IXYR50N120C3D1

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ISOPLUS247

IXYH50N65C3D1

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IXGP8N100

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TO-220

IXTQ460P2

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TO-3P

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