

**Trans IGBT Chip N-CH 900V 165A 830000mW 3-Pin(3+Tab)
TO-247**



Manufacturer:	Littelfuse Inc
Package/Case:	TO-247
Product Type:	Thyristors
Lifecycle:	NRND

Images are for reference only

[Inquiry](#)

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

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IXYN30N170CV1

Littelfuse Inc

N

IXBH16N170

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IXGH60N60C2

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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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ISOPLUS247

IXYH50N65C3D1

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IXGP8N100

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