

## Trans IGBT Chip N-CH 3000V 80A 400mW 3-Pin(3+Tab) TO-247AD



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**

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**IXYN30N170CV1**

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N

**IXBH16N170**

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**IXGH60N60C2**

Littelfuse Inc

TO-247

**IXGH48N60A3**

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**IXGN320N60A3**

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MODULE

**IXGH60N60C3**

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**IXGP20N120A3**

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TO-220

**IXYR50N120C3D1**

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ISOPLUS247

**IXYH50N65C3D1**

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**IXGP8N100**

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**IXTQ460P2**

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TO-3P

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