

## Trans IGBT Chip N-CH 1700V 42A 357mW 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 blocking voltage
- High power density
- High current handling capability
- Low conduction losses
- MOS gate turn on for drive simplicity
- International standard and proprietary ISOPLUSTM packages
- Benefits:
  - Eliminates multiple series-parallel lower voltage, lower current rated devices
  - Simpler system design
  - Improved reliability
  - Reduced component count
  - Reduced system cost

### Application

- Radar transmitter power supplies
- Radar pulse modulators
- Capacitor discharge circuits
- High voltage power supplies
- AC switches
- HV circuit breakers
- Pulser circuits
- High voltage test equipment
- Laser & X-ray generators

### Recommended For You

**IXGH48N60C3D1**

Littelfuse Inc

TO-247

**IXYX100N120C3**

Littelfuse Inc

PLUS247

**IXGH30N60B2D1**

Littelfuse Inc

TO-247

**IXYN30N170CV1**

Littelfuse Inc

N

**IXBH16N170**

Littelfuse Inc

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**IXGH60N60C2**

Littelfuse Inc

TO-247

**IXGH48N60A3**

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**IXGN320N60A3**

Littelfuse Inc

MODULE

**IXGH60N60C3**

Littelfuse Inc

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**IXGP20N120A3**

Littelfuse Inc

TO-220

**IXYR50N120C3D1**

Littelfuse Inc

ISOPLUS247

**IXYH50N65C3D1**

Littelfuse Inc

TO-247

**IXGP8N100**

Littelfuse Inc

TO-220

**IXTQ460P2**

Littelfuse Inc

TO-3P

**IXGR48N60C3D1**

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