

Trans IGBT Chip N-CH 1600V 75A 300mW 3-Pin(3+Tab) TO-247

Manufacturer: [Littelfuse Inc](#)

Package/Case: TO-247

Product Type: Thyristors

Lifecycle: Active



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 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

TO-247

IXGH60N60C2

Littelfuse Inc

TO-247

IXGH48N60A3

Littelfuse Inc

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IXGN320N60A3

Littelfuse Inc

MODULE

IXGH60N60C3

Littelfuse Inc

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IXGP20N120A3

Littelfuse Inc

TO-220

IXYR50N120C3D1

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ISOPLUS247

IXYH50N65C3D1

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TO-247

IXGP8N100

Littelfuse Inc

TO-220

IXTQ460P2

Littelfuse Inc

TO-3P

IXGR48N60C3D1

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