

Trans IGBT Module N-CH 1200V 105A 500000mW

Manufacturer:	Littelfuse Inc
Package/Case:	MODULE
Product Type:	Thyristors
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

Manufactured through the state-of-the-art GenX3™ IGBT process and an extreme-light PunchThrough (XPT™) design platform, these devices feature high-current handling capabilities, high-speed switching abilities, low total energy losses, and low current fall times. They have a positive collector-to-emitter voltage temperature coefficient, making it possible for designers to use multiple devices in parallel to meet high current requirements. Their low gate charges also help reduce gate drive requirements and switching losses. In addition to being avalanche rated, these devices have square Reverse Bias Safe Operating Areas (RBSOA) up to the breakdown voltage— a necessary ruggedness in snubberless hard-switching applications.

Key Features

- Optimized for 20kHz-60kHz switching
- Square RBSOA
- Short circuit capability
- Avalanche rated
- Ultra-fast anti-parallel diodes
- International standard packages
- Advantages:
- Hard-switching capability
- High power density
- Low gate drive requirements

Application

- Battery chargers
- E-Bikes
- Lamp ballasts
- Power inverters
- Power Factor Correction (PFC) circuits
- Switched-mode power supplies
- Uninterruptible Power Supplies (UPS)
- Welding machines

Recommended For You

IXGH48N60C3D1

Littelfuse Inc

TO-247

IXYX100N120C3

Littelfuse Inc

PLUS247

IXGH30N60B2D1

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TO-247

IXYN30N170CV1

Littelfuse Inc

N

IXBH16N170

Littelfuse Inc

TO-247

IXGH60N60C2

Littelfuse Inc

TO-247

IXGH48N60A3

Littelfuse Inc

TO-247

IXGN320N60A3

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MODULE

IXGH60N60C3

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IXGP20N120A3

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IXYR50N120C3D1

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IXYH50N65C3D1

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