

Trans IGBT Chip N-CH 1200V 86A 480mW 3-Pin(3+Tab) TO-247AD



Images are for reference only

Manufacturer: [Littelfuse Inc](#)

Package/Case: TO-247

Product Type: Thyristors

Lifecycle: Active

[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

Littelfuse Inc

TO-247

IXYN30N170CV1

Littelfuse Inc

N

IXBH16N170

Littelfuse Inc

TO-247

IXGH60N60C2

Littelfuse Inc

TO-247

IXGH48N60A3

Littelfuse Inc

TO-247

IXGN320N60A3

Littelfuse Inc

MODULE

IXGH60N60C3

Littelfuse Inc

TO-247

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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