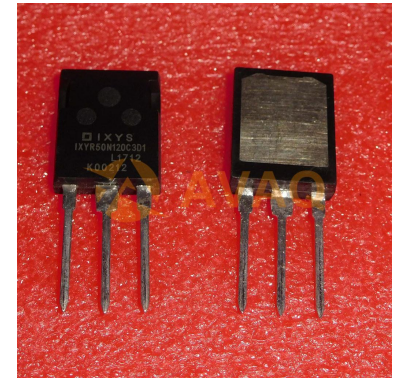


**Trans IGBT Chip N-CH 1200V 56A 290mW 3-Pin(3+Tab)  
ISOPLUS 247**

<b>Manufacturer:</b>	<a href="#">Littelfuse Inc</a>
<b>Package/Case:</b>	ISOPLUS247
<b>Product Type:</b>	Thyristors
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

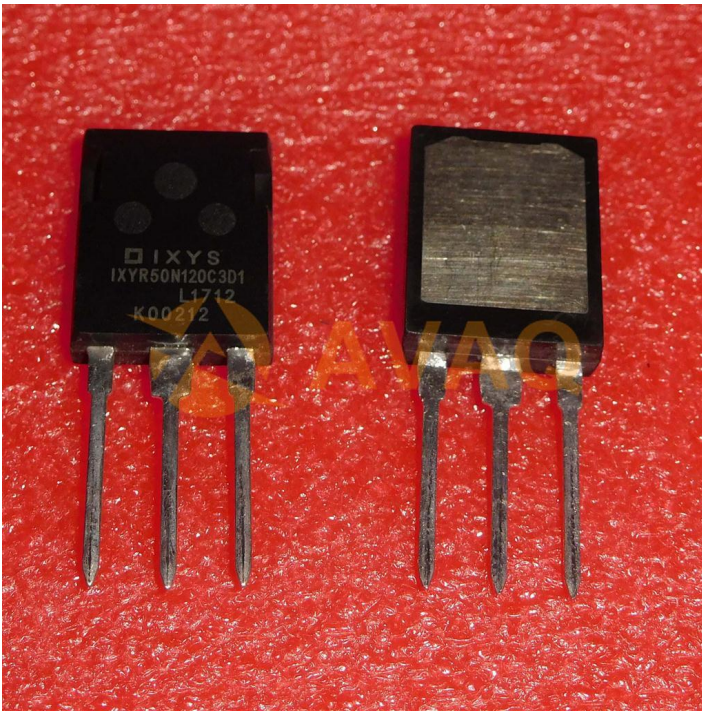
Manufactured through the state-of-the-art GenX3™ IGBT process and an extreme-light PunchThrough (XPT™) design platform, these devices feature high-current handling capabilities, high-speed switching abilities, low total energy losses, and low current fall times. They have a positive collector-to-emitter 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

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### **IXGH48N60C3D1**

Littelfuse Inc

TO-247

### **IXYX100N120C3**

Littelfuse Inc

PLUS247

### **IXGB30N60B2D1**

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

### **IXYH50N65C3D1**

Littelfuse Inc

TO-247

### **IXGP8N100**

Littelfuse Inc

TO-220

### **IXTQ460P2**

Littelfuse Inc

TO-3P

### **IXGR48N60C3D1**

Littelfuse Inc

TO-247

### **IXA60IF1200NA**

Littelfuse Inc

SOT-227