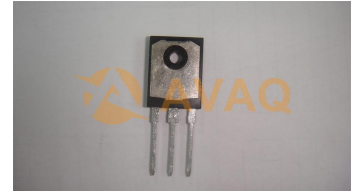


## Trans IGBT Chip N-CH 1200V 46A 313mW Automotive 3-Pin(3+Tab) TO-247 Tube



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Infineon Technologies Corporation](#)

**Package/Case:** TO-247

**Product Type:** Thyristors

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** LTB

### General Description

SGW25N120 is a high-voltage, high-speed IGBT (Insulated Gate Bipolar Transistor) manufactured by STMicroelectronics.

### Key Features

Voltage rating: 1200V

Current rating: 50A

Maximum power dissipation: 320W

Fast switching speed for high-frequency operation

Low saturation voltage for reduced power losses

Built-in freewheeling diode for inductive loads

Low EMI (Electromagnetic Interference) generation

### Application

Switch mode power supplies (SMPS)

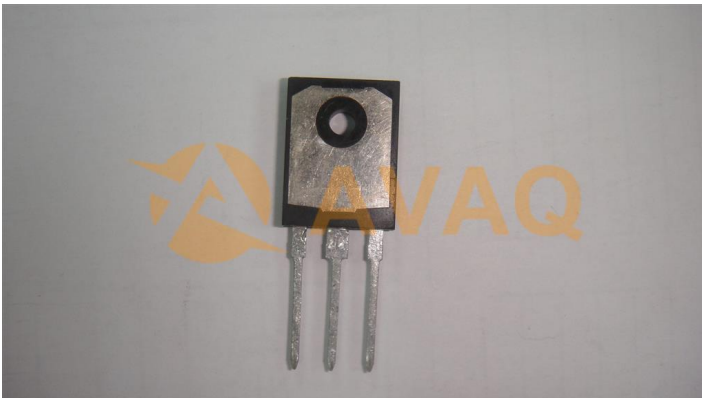
Inverters

Motor control

Welding equipment

Solar inverters

UPS (Uninterruptible Power Supply) systems



### Recommended For You

**SGW30N60HS**

Infineon Technologies Corporation

TO-247

**SGW50N60HS**

Infineon Technologies Corporation

TO-247

**SGB02N120**

Infineon Technologies Corporation

TO-263

**SGW30N60**

Infineon Technologies Corporation

TO-247

**SGP30N60**

Infineon Technologies Corporation

PG-TO220-3

**SGB10N60A**

Infineon Technologies Corporation

TO-263

**SGD02N120**

Infineon Technologies Corporation

TO-252

**SGW15N120**

Infineon Technologies Corporation

TO-247

**SGP07N120**

Infineon Technologies Corporation

TO-220

**SGP20N60**

Infineon Technologies Corporation

TO-220

**SGB30N60**

Infineon Technologies Corporation

TO-263

**SGP10N60A**

Infineon Technologies Corporation

PG-TO220-3

**SGW15N60FKSA1**

Infineon Technologies Corporation

BGA

**SGB20N60ATMA1**

Infineon Technologies Corporation

BGA

**SGP30N60XKSA1**

Infineon Technologies Corporation

BGA