

Trans IGBT Chip N-CH 1200V 80A 468mW 3-Pin(3+Tab) TO-247 Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: TO-247-3

Product Type: Thyristors

Lifecycle: Active

General Description

These devices are IGBTs developed using an advanced proprietary trench gate field-stop structure. These devices are part of the H series of IGBTs, which represent an optimum compromise between conduction and switching losses to maximize the efficiency of high switching frequency converters. Moreover, a slightly positive $V_{CE(sat)}$ temperature coefficient and very tight parameter distribution result in safer paralleling operation.

Key Features

Maximum junction temperature: $T_J = 175\text{ }^\circ\text{C}$

High speed switching series

Minimized tail current

$V_{CE(sat)} = 2.1\text{ V (typ.) @ } I_C = 40\text{ A}$

5 μs minimum short circuit withstand time at $T_J = 150\text{ }^\circ\text{C}$

Safe paralleling

Low thermal resistance

Recommended For You

STGIF5CH60TS-L

STMicroelectronics, Inc

SDIP2B-26

STGIPS10K60A

STMicroelectronics, Inc

SDIP-25L

STP24NF10

STMicroelectronics, Inc

TO-220

STGW30NC120HD

STMicroelectronics, Inc

TO-247

STGIPS20K60

STMicroelectronics, Inc

SDIP-25

STB75NF75LT4

STMicroelectronics, Inc

TO-263

STD20NF06LT4

STMicroelectronics, Inc

TO-252

STGW45HF60WD

STMicroelectronics, Inc

TO-247

STGW19NC60HD

STMicroelectronics, Inc

TO-247

STGW30NC60WD

STMicroelectronics, Inc

TO-247

STGW40H120DF2

STMicroelectronics, Inc

TO-247

STGW40V60DF

STMicroelectronics, Inc

TO-247

STGB10NC60HD

STMicroelectronics, Inc

D2PAK

STGB30V60DF

STMicroelectronics, Inc

TO-263

STGP30H60DF

STMicroelectronics, Inc

TO-220