

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

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: TO-247

Product Type: Thyristors

Lifecycle: Active



Images are for reference only

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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 represents an optimum compromise between conduction and switching losses to maximize the efficiency of high switching frequency converters. Furthermore, 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

Very fast recovery antiparallel diode

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

STGW40V60DF

STMicroelectronics, Inc
TO-247

STGB10NC60HD

STMicroelectronics, Inc
D2PAK

STGB30V60DF

STMicroelectronics, Inc
TO-263

STGP30H60DF

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STGW40N120KD

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