


Trans IGBT Chip N-CH 650V 160A 625mW Automotive 3-Pin(3+Tab) Max247 Tube

Manufacturer:	STMicroelectronics, Inc
Package/Case:	TO-247
Product Type:	Thyristors
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

This device is an IGBT developed using an advanced proprietary trench gate field-stop structure. The device is part of the M series IGBTs, which represent an optimal balance between inverter system performance and efficiency where the low-loss and the short-circuit functionality is essential. Furthermore, the positive VCE(sat) temperature coefficient and the tight parameter distribution result in safer paralleling operation.

Key Features

AEC-Q101 qualified

6 μs of short-circuit withstand time

VCE(sat) = 1.65 V (typ.) @ IC = 120 A

Tight parameter distribution

Safer paralleling

Positive VCE(sat) temperature coefficient

Low thermal resistance

Soft and very fast recovery antiparallel diode

Maximum junction temperature: TJ = 175 °C

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

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STGW30NC60WD

STMicroelectronics, Inc

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STGW40H120DF2

STMicroelectronics, Inc

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STGW40V60DF

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STGB10NC60HD

STMicroelectronics, Inc

D2PAK

STGB30V60DF

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STGP30H60DF

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