

IPM IGBT 600V 8A 26-Pin SDIP2F Tube

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: SDIP2B-26

Product Type:

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

This second series of SLLIMM (small low-loss intelligent molded module) provides a compact, high-performance AC motor drive in a simple, rugged design. It combines new ST proprietary control ICs (one LS and one HS driver) with an improved short-circuit rugged trench gate field-stop (TFS) IGBT, making it ideal for motor drives operating up to 20 kHz in hard-switching circuitries.

Key Features

IPM 8 A, 600 V, 3-phase IGBT inverter bridge including 2 control ICs for gate driving and freewheeling diodes

3.3 V, 5 V TTL/CMOS inputs with hysteresis

Internal bootstrap diode

Undervoltage lockout of gate drivers

Smart shutdown function

Short-circuit protection

Shutdown input/fault output

Separate open emitter outputs

Built-in temperature sensor

Comparator for fault protection

Short-circuit rugged TFS IGBTs

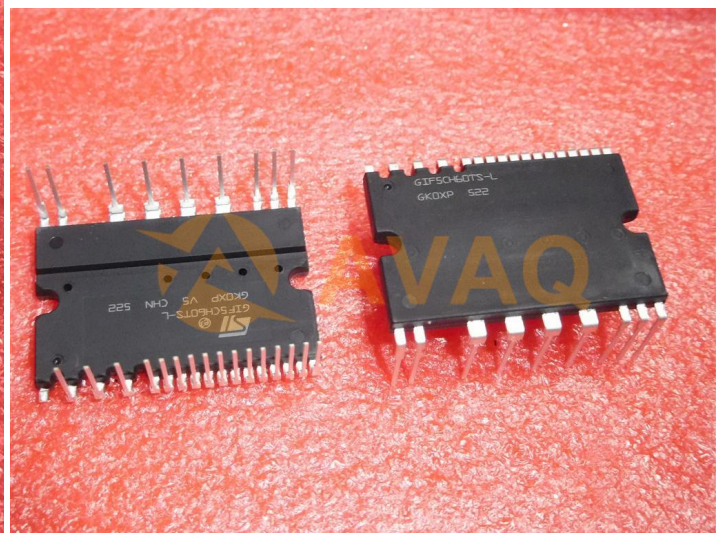
Very fast, soft recovery diodes

85 k Ω NTC, UL 1434, CA 4 recognized

Fully isolated package

Isolation ratings of 1600 Vrms/min.

UL recognition: UL 1557, file E81734



Recommended For You

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

STGW40HI20DF2

STMicroelectronics, Inc
TO-247

STGW40V60DF

STMicroelectronics, Inc
TO-247

STGB10NC60HD

STMicroelectronics, Inc
D2PAK

STGB30V60DF

STMicroelectronics, Inc
TO-263

STGP30H60DF

STMicroelectronics, Inc
TO-220

STGW40NI20KD

STMicroelectronics, Inc
TO-247