

## IPM IGBT 600V 3A 26-Pin NDIP Tube

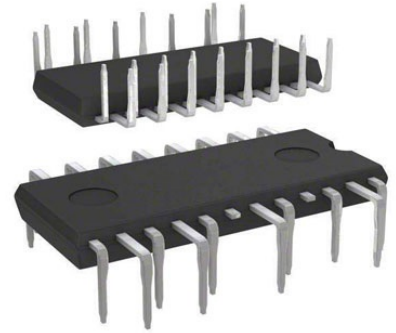
**Manufacturer:** [STMicroelectronics, Inc](#)

**Package/Case:** DIP26

**Product Type:**

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

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## General Description

This SLLIMM (small low-loss intelligent molded module) nano provides a compact, high-performance AC motor drive in a simple, rugged design. It is composed of six IGBTs and three half-bridge HVICs for gate driving, providing low electromagnetic interference (EMI) characteristics with optimized switching speed. The package is optimized for thermal performance and compactness in built-in motor applications, or other low power applications where assembly space is limited. This IPM includes an operational amplifier, completely uncommitted, and a comparator that can be used to design a fast and efficient protection circuit. SLLIMM is a trademark of STMicroelectronics.

## Key Features

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

Optimized for low electromagnetic interference

VCE(sat) negative temperature coefficient

3.3 V, 5 V, 15 V CMOS/TTL input comparators with hysteresis and pull-down/pull-up resistors

Undervoltage lockout

Internal bootstrap diode

Interlocking function

Shutdown function

Comparator for fault protection against overtemperature and overcurrent

Op-amp for advanced current sensing

Optimized pinout for board layout

NTC for temperature control (UL 1434 CA 2 and 4)

## Recommended For You

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**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

**SIB75NF75LT4**

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