

# 25A, 1200V IGBT MODULE

## 1.DESCRIPTION

SGM25PA12A6TFD Module provides reliable and high power density output using Silan's 4th generation IGBT technology for motor control and driver. Compact design consisting of FRD, NTC, rectifier and brake circuit is available to optimize the system and save the cost. It is suitable for Auxiliary Inverters, Air Conditioning and Motor Drives.

## 2.FEATURES

- 25A, 1200V, V<sub>CE(sat)(typ.)</sub> =1.85V@I<sub>C</sub>=25A
- V<sub>CE(sat)</sub> with positive temperature coefficient
- High short circuit capability
- Low switching loss
- Isolated using DBC technology
- With NTC

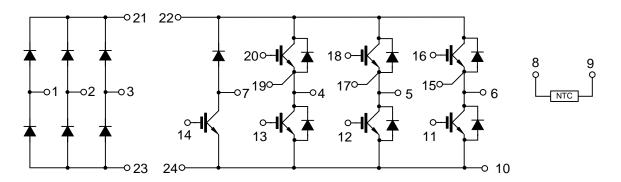


Α6

## 3.ORDERING INFORMATION

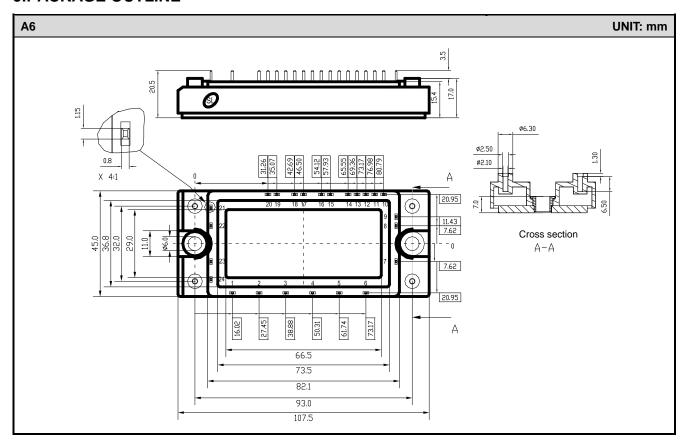
Part No.	Package	Marking	Packing Type
SGM25PA12A6TFD	A6	SGM25PA12A6TFD	Carton

### 4. CIRCUIT DIAGRAM





## **5.PACKAGE OUTLINE**





#### MOS DEVICES OPERATE NOTES:

Electrostatic charges may exist in many things. Please take following preventive measures to prevent effectively the MOS electric circuit as a result of the damage which is caused by discharge:

- The operator must put on wrist strap which should be earthed to against electrostatic.
- Equipment cases should be earthed.
- All tools used during assembly, including soldering tools and solder baths, must be earthed.
- MOS devices should be packed in antistatic/conductive containers for transportation.





#### Important notice:

- 1. Silan reserves the right to make changes of this instruction without notice.
- Customers should obtain the latest relevant information when purchasing and should verify whether such information is latest
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  including the circuit operation precautions, etc.
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  regulations etc. The product is civil electronic product, please do not use it in non-civil fields.
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