

# 六单元IGBT模块，伺服变频等应用的优选



## 产品介绍

扬杰科技近日推出了新一代easy 1B封装650V IGBT模块，产品采用的IGBT芯片新一代微沟槽工艺平台，具备低损耗、高运行结温及强短路能力，并且采用DBC绝缘铜底板技术，绝缘性能好，导热性强，机械结构强，具有优异的散热性能。产品参数一致性好，可靠性优良，适用于伺服、变频器等各类中低频应用领域。

1. 低开关损耗；
2. 具有正温度系数的低V<sub>CE(sat)</sub> IGBT；
3. 包含快速和软恢复反并联续流二极管；
4. 低电感封装；
5. 具有强短路能力 (5us)；
6. 使用DBC基板散热技术，具有优异散热性能；
7. 最高结温可达175°C；

更多产品详见官网

Product Name	V <sub>ces</sub> (V)	I <sub>c</sub> (A)	V <sub>geth</sub> (V)	V <sub>cesat</sub> (V)	t <sub>r</sub> (ns)	t <sub>f</sub> (ns)	V <sub>f</sub> (V)
MG20TF065MLP2	650	20	5.1	1.45	35	115	2.0
MG30TF065MLP2	650	30	5.1	1.70	37	120	2.15



伺服控制器



变频器

## 产品特点

## 典型应用

# Six-unit IGBT Module for Servo Controller and Frequency Converter



## Product Introduction

Yangjie Technology has recently launched a new generation of easy 1B package 650V IGBT module. The product adopts a new generation of micro-trench process platform IGBT chip, featuring low loss, high operating junction temperature and strong short-circuit capability. Moreover, it uses DBC insulated copper base plate technology, which has good insulation performance, strong thermal conductivity, strong mechanical structure and excellent heat dissipation performance. The product parameters have good consistency and excellent reliability, making it suitable for various medium and low-frequency application fields such as servo controllers and frequency converters.

## New Product Announcement

1. Low switching loss;
2. IGBT with low  $V_{CE(sat)}$  and positive temperature coefficient;
3. Includes fast and soft recovery anti-parallel freewheeling diode;
4. Low inductance package;
5. Strong short-circuit capability (5μs);
6. Uses DBC substrate cooling technology with excellent thermal performance;
7. Maximum junction temperature up to 175°C;

Please refer to the official website for more products

Product Name	$V_{ces}$ (V)	$I_c$ (A)	$V_{geth}$ (V)	$V_{cesat}$ (V)	$t_r$ (ns)	$t_f$ (ns)	$V_f$ (V)
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## Product Features

## Application



Servo controller



frequency converter