

# 工业中低频应用的“能效密码”？大电流微沟槽IGBT带来答案



## 产品介绍

扬杰科技近日推出了新一代 To-247PLUS 封装1200V IGBT单管，产品采用新一代微沟槽工艺平台，极大的优化了器件的导通损耗，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. G3 1.6um微沟槽工艺平台，极具性价比的芯片方案；
2. 电压等级为1200V，电流等级为100A@ $T_c=100^{\circ}\text{C}$ ；
3. 低导通损耗，适用于中低频应用领域；
4. 较强的短路能力

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Product Name	$V_{CES}$ (V)	$I_c$ (A)	$V_{GE(th)}$ (V)	$V_{CE(sat)}$ (V)	$VF$ (V)	$P_d$ (W)	$T_j$ ( $^{\circ}\text{C}$ )
DGQ100N120CTL2A	1200V	100A	5.8	1.5	2.00	883	-40~175

## 产品特点



伺服控制器



变频器

## 典型应用

# Micro-pattern trenches IGBT for Servo controller/frequency converter/industrial power supply



## Product Introduction

Yangjie Technology recently launched a new generation of To-247PLUS packaged 1200V discrete IGBT. The product adopts new generation micro-pattern trenches process platform, greatly optimized the conduction loss, with good consistency of product parameters and excellent reliability, suitable for various low to mid frequency application fields such as servo and frequency converter.

## New Product Announcement

1. G3 1.6um micro-pattern trenches process platform, a highly cost-effective chip solution;
2. 1200V breakdown voltage,  $I_c=100A@T_c=100^\circ C$ ;
3. Low conduction loss, suitable for low to mid frequency applications;
4. Strong short-circuit capacity

## Product Features

Please refer to the official website for more products

Product Name	$V_{CES}$ (V)	$I_c$ (A)	$V_{GE(th)}$ (V)	$V_{CE(sat)}$ (V)	VF(V)	$P_d$ (W)	$T_j$ ( $^\circ C$ )
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Servo Controller



Frequency Converter

## Typical Applications