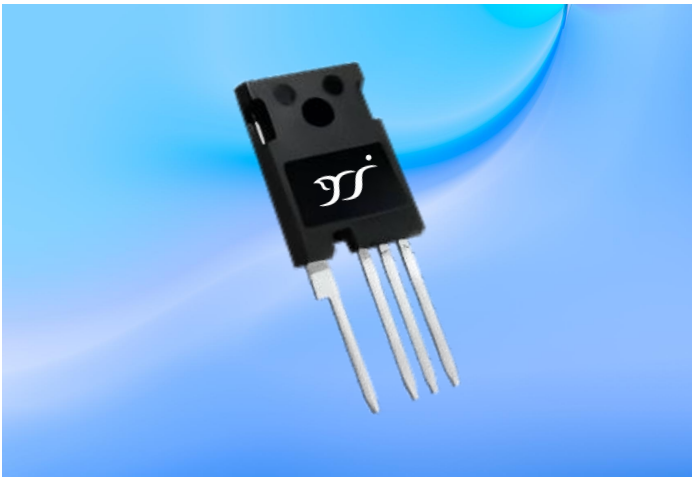


新品发布

新一代TO-247-4L车规IGBT单管——800V PTC加热器的“硬核新搭档”



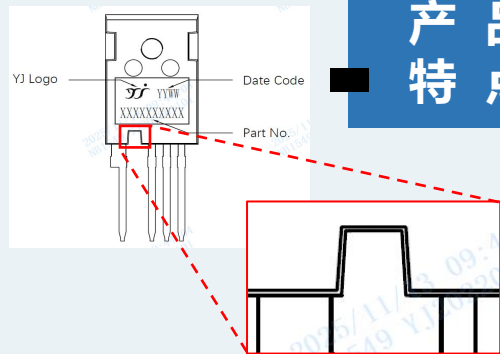
产品介绍

扬杰科技近日推出了新一代TO-247-4L封装1200V IGBT车规单管，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。此外，为了适用于高压汽车平台的PTC应用，本产品对CE极之间的爬电距离做了优化。

新品发布

1. 精细微沟槽工艺平台，极具性价比的芯片方案；
2. 电压等级为1200V，电流等级为40A@Tc=100℃；
3. 低导通损耗，适用于中低频应用领域；
4. 极强的短路能力；
5. CE极爬电距离优化，达到8mm以上；

传统TO-247-3L器件CE极爬电距离约3mm，采用TO-247-4L封装后器件CE极爬电距离增大至8mm以上，大大提升了电动汽车高电压平台的适用性



产品特点

Product Name	V_{CES} (V)	I_c (A)	$V_{GE(th)}$ (V)	$V_{CE(sat)}$ (V)	V_F (V)	P_d (W)	T_j (°C)
DGZ40N120CTL1AQ	1200V	40A	5.8	1.65	2.40	320	-40~175

更多产品详见官网

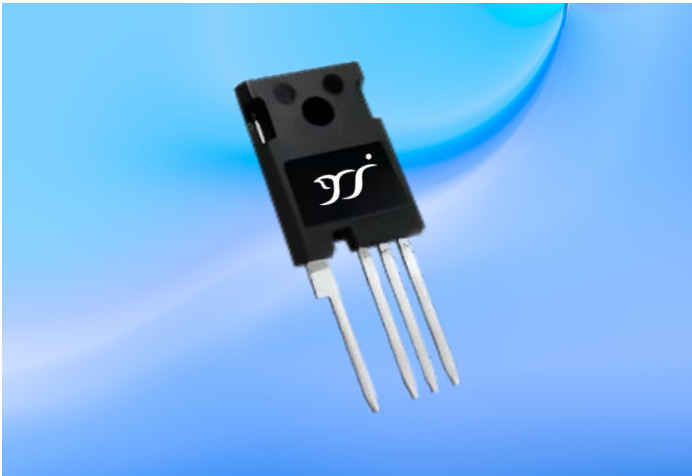


PTC

典型应用

NEW
PRODUCT

Automotive IGBT for 800V Voltage Platform PTC Heater of New Energy Vehicles

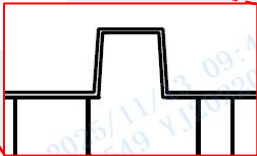
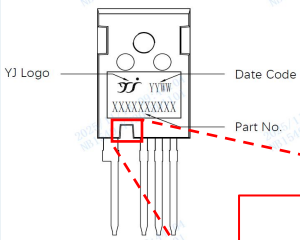


Product Introduction

Yangjie Technology recently launched a new generation of To-247-4L packaged 1200V discrete IGBT for automotive applications. The product adopts a new generation of micro-trench process technology, greatly optimizing the device's conduction loss, with good parameter consistency and excellent reliability. In addition, to suit PTC applications on high-voltage automotive platforms, the creepage distance between the CE terminals of this product has been optimized.

New Product Announcement

- 1. Micro-trench process platform, a highly cost-effective chip solution;
 - 2. Voltage rating of 1200V, current rating of 40A@Tc=100°C;
 - 3. Low conduction loss, suitable for medium to low frequency applications;
 - 4. Strong short-circuit capability;
 - 5. Ptimized CE creepage distance, reaching over 8mm;
- For traditional TO-247-3L devices, the CE creepage distance is about 3mm.
After adopting the TO-247-4L package, the device's CE creepage distance increases to over 8mm, greatly enhancing the suitability for high-voltage platforms in electric vehicles.



Product Features

Product Name	V _{CES} (V)	I _C (A)	V _{GE(th)} (V)	V _{CE(sat)} (V)	V _F (V)	P _d (W)	T _j (°C)
DGZ40N120CTL1AQ	1200V	40A	5.8	1.65	2.40	320	-40~175

Please refer to the official website for more products



PTC

Applica-tion