



Gallium Nitride Integrated Power Intelligent Controller

Infineon CoolGaN(TM) Drive - integrates gallium nitride transistors with intelligent gate drivers and current sense. The CoolGaN(TM) Drive product family builds on the CoolGaN(TM) Transistor technology and ...

GaNext project is the development of an intelligent Gallium Nitride (GaN) power module where the drive, control, and protection circuits are integrated or co-packaged with the power device.

In recent years, gallium nitride (GaN) high electron mobility transistors (HEMTs) has been widely adopted in fast chargers, showcasing their potential in promot

Renesas Electronics" gallium nitride (GaN) power solutions are designed to improve energy efficiency and performance in automotive, industrial, and power systems. Featuring GaN transistors, ...

The project focuses on the development of an intelligent power module (IPM) based on GaN devices. These are combined with gate drivers and a programmable, fail-safe control unit with integrated ...

Our gallium nitride intelligent power modules help deliver high power levels without a heat sink in compact packages. Enable higher inverter efficiency and eliminate cooling methods in a high ...

A gallium nitride (GaN) power integrated circuit (IC) combines several power electronics functions onto a single GaN chip, to improve speed, efficiency, reliability and cost-effectiveness.

The devices combine high power-added efficiency (PAE) and high linearity to deliver new levels of performance in applications ranging from 5G to electronic warfare, satellite communications, ...

Gallium Nitride FET-based power conversion systems offer higher efficiency, increased power density, and lower overall system cost than silicon based alternatives.



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Web: <https://maxtools.co.za>

