

GR-15E005FD: Enhancement Mode Power Transistor

Description

GR-15E005FD is an enhancement mode GaN on Silicon power transistor. 15E005FD provides, high current and high operating speed which is suitable for DC to DC power supply applications.

Key Specifications

Part Number	GR-15E005FD
V_{DS} , min.	150V
I_{DS} , Pulse (25°C, TPULSE = 300µs)	128A
$R_{DS(ON)}$, typ. @ $V_{GS}=5V$	5.5mΩ
Q_G , typ.	9.6nC

Features

- 150 V enhancement mode power transistor
- High operating frequency
- $R_{DS(on)} = \text{Typ. } 3.2 \text{ m}\Omega$
- RoHS compliant

Applications

- Switch Mode Power Supplies (SMPS)
- DC-DC Converters
- Fast Battery Charging
- Appliance Motor Drives

