

GR-15E007GJ: E-mode GaN Power Transistor

Description

GR-15E007GJ is an enhancement mode GaN on Silicon power transistor. 15E007GJ provides, high current and high operating speed which is suitable for DC to DC power supply applications.

Key Specifications

Part Number	GR-15E007GJ
V_{DS} , min.	150V
I_{DS} , Pulse (25°C, TPULSE = 300 μs)	102A
$R_{DS(ON)}$, typ. @Vgs=5V	7.2mΩ
Q_G , typ.	6.5nC

Features

- 100 V enhancement mode power transistor
- High operating frequency
- $R_{DS(on)} = \text{Typ. } 7.2 \text{ m}\Omega$
- RoHS compliant

Applications

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

