

## GR-15E005GJ: E-mode GaN Power Transistor

### Description

GR-15E005GJ is an enhancement mode GaN on Silicon power transistor. 15E005GJ provides, high current and high operating speed which is suitable for DC to DC power supply applications.

### Key Specifications

Part Number	GR-15E005GJ
$V_{DS}$ , min.	150V
$I_{DS}$ , Pulse (25°C, TPULSE = 300 μs)	142A
$R_{DS(ON)}$ , typ. @Vgs=5V	5.3mΩ
$Q_G$ , typ.	8.3nC

### Features

- 100 V enhancement mode power transistor
- High operating frequency
- $R_{DS(on)} = \text{Typ. } 5.3 \text{ m}\Omega$
- RoHS compliant

### Applications

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

