

## GR-10E003FD: Enhancement Mode Power Transistor

### Description

GR-10E003FD is an enhancement mode GaN on Silicon power transistor. 10E003FD provides, high current and high operating speed which is suitable for DC to DC power supply applications.

### Key Specifications

Part Number	GR-10E003FD
$V_{DS}$ , min.	100V
$I_{DS}$ , Pulse (25°C, TPULSE = 300µs)	159A
$R_{DS(ON)}$ , typ. @ $V_{GS}=5V$	3.1mΩ
$Q_G$ , typ.	10.2nC

### Features

- 150 V enhancement mode power transistor
- High operating frequency
- $R_{DS(on)} = \text{Typ. } 3.1 \text{ m}\Omega$
- RoHS compliant

### Applications

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

