

GR-10E007GD: Enhancement Mode Power Transistor

Description

GR-10E007GD is an enhancement mode GaN on Silicon power transistor. 10E007GD provides, high current and high operating speed which is suitable for DC to DC power supply applications.

Key Specifications

| | |
|---|-------------|
| Part Number | GR-10E007GD |
| V_{DSS} , min. | 100V |
| I_{DS} , Pulse (25°C, TPULSE = 300µs) | 67.5A |
| $R_{DS(ON)}$, typ. @ $V_{GS}=5V$ | 7.3mΩ |
| Q_G , typ. | 4.3nC |

Features

- 150 V enhancement mode power transistor
- High operating frequency
- $R_{DS(on)}$ = Typ. 7.3mΩ
- RoHS compliant

Applications

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

