

GR-20E007FD: Enhancement Mode Power Transistor

Description

GR-20E007FD is an enhancement mode GaN on Silicon power transistor. 20E007FD provides, high current and high operating speed which is suitable for DC to DC power supply applications.

Key Specifications

Part Number	GR-20E007FD
V_{DSS} , min.	200V
I_{DS} , Pulse (25°C, TPULSE = 300μs)	88A
$R_{DS(ON)}$, typ. @ $V_{GS}=5V$	7.1mΩ
Q_G , typ.	10.5nC

Features

- 200 V enhancement mode power transistor
- High operating frequency
- $R_{DS(on)} = \text{Typ. } 7.1\text{m}\Omega$
- RoHS compliant

Applications

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

