

GR-10E001DD: Enhancement Mode Power Transistor

Description

GR-10E001DD is an enhancement mode GaN on Silicon power transistor. 10E001DD provides, high current and high operating speed which is suitable for DC to DC power supply applications.

Key Specifications

Part Number	GR-10E001DD
V_{DSS} , min.	100V
I_{DS} , Pulse (25°C, TPULSE = 300μs)	432A
$R_{DS(ON)}$, typ. @ $V_{GS}=5V$	1.2mΩ
Q_G , typ.	26.5nC

Features

- 100 V enhancement mode power transistor
- High operating frequency
- $R_{DS(on)} = \text{Typ. } 1.2 \text{ m}\Omega$
- RoHS compliant

Applications

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

