

GR-20E010UG: E-mode GaN Power Transistor

Description

GR-20E010UG is an enhancement mode GaN on Silicon power transistor. GR-20E010UG provides, high current and high operating speed which is suitable for DC to DC power supply applications.

Key Specifications

Part Number	GR-20E010UG
$V_{DS, min.}$	200V
$I_{DS, Pulse}(25^{\circ}C, TPULSE = 300 \mu s)$	26.8A
$R_{DS(ON), typ. @Vgs=5V}$	10.2m Ω
$Q_G, typ.$	5.3nC

Features

- 200 V enhancement mode power transistor
- High operating frequency
- $R_{DS(on)} = Typ. 10.2m\Omega$
- Dual-side cooled package
- HS compliant

Applications

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

