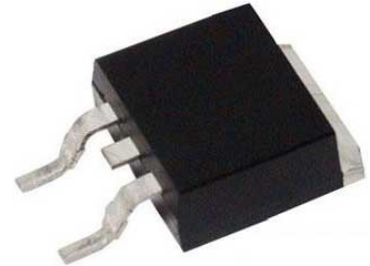


N-Channel MOSFET, 250 A, 40 V HEXFET, 3-Pin D2PAK Infineon

Manufacturers	Infineon Technologies Corporation
Package/Case	D2PAK
Product Type	Transistors
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for IRFS7437TRLPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The StrongIRFET™ power MOSFET family is optimized for low $R_{DS(on)}$ and high current capability. The devices are ideal for low frequency applications requiring performance and ruggedness. The comprehensive portfolio addresses a broad range of applications including DC motors, battery management systems, inverters, and DC-DC converters.

Optimized for broadest availability from distribution partners

Product qualification according to JEDEC standard

Industry standard surface mount power package

Higher current-rating (by 23%) vs D2PAK (of same die-size)

Wide availability from distribution partners

Industry standard qualification level

Standard pinout allows for drop in replacement

High power density

Battery powered applications

Power tools

DC motor drives

Features

- Optimized for broadest availability from distribution partners
- Product qualification according to JEDEC standard
- Optimized for 10 V gate drive voltage (called normal level)
- Silicon optimized for applications switching below <100 kHz
- Softer body-diode compared to previous silicon generation
- Industry standard surface-mount power package
- Higher current-rating (by 23%) vs D2PAK (of same die-size)
- High-current carrying capability package(up to 240 A, die-size dependent)

Application

- Battery powered applications
- Power tools
- DC motor drives

Related Products



[IRLTS6342TRPBF](#)

Infineon Technologies Corporation
TSOP-6



[IRF9310PBF](#)

Infineon Technologies Corporation
SOIC-8



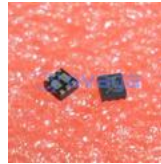
[IRF9358TRPBF](#)

Infineon Technologies Corporation
SOP-8



[IRFB3307ZPBF](#)

Infineon Technologies Corporation
TO-220AB



[IRLHS6376TRPBF](#)

Infineon Technologies Corporation
PQFN2x2DD



[IRFH9310TRPBF](#)

Infineon Technologies Corporation
PQFN-8



[IRFB7430PBF](#)

Infineon Technologies Corporation
TO-220



[IRF7351TRPBF](#)

Infineon Technologies Corporation
SOIC-8