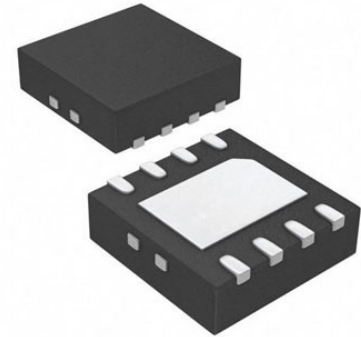


N-Channel MOSFET, 100 A, 100 V OptiMOS 3, 8-Pin TDSON Infineon

Manufacturers	Infineon Technologies Corporation
Package/Case	PG-TDSON-8
Product Type	Transistors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for BSC046N10NS3GATMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Infineon's 100V OptiMOS™ power MOSFETs offer superior solutions for high efficiency, high power-density SMPS. Compared to the next best technology this family achieves a reduction of 30% in both $R_{DS(on)}$ and FOM (figure of merit).

Excellent switching performance

World's lowest $R_{DS(on)}$

Very low Q_g and Q_{gd}

Excellent gate charge x $R_{DS(on)}$ product (FOM)

RoHS compliant-halogen free

MSL1 rated 2

Environmentally friendly

Increased efficiency

Highest power density

Less paralleling required

Smallest board-space consumption

Easy-to-design products

Synchronous rectification for AC-DC SMPS

Motor control for 48V–80V systems (i.e. domestic vehicles, power-tools, trucks)

Isolated DC-DC converters (telecom and datacom systems)

Or-ing switches and circuit breakers in 48V systems

Class D audio amplifiers

Uninterruptable power supplies (UPS)

Features

Excellent switching performance

World's lowest R

DS(on)

Very low Q

g

gd

Excellent gate charge x R

DS(on)

RoHS compliant-halogen free

MSL1 rated 2

Environmentally friendly

Increased efficiency

Highest power density

Less paralleling required

Smallest board-space consumption

Easy-to-design products

Application

Synchronous rectification for AC-DC SMPS

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Related Products



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Infineon Technologies Corporation
SOT-223



[BSC011N03LS](#)

Infineon Technologies Corporation
PG-TDSON-8



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WDSO-2



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