

N-Channel 100 V 7 mOhm OptiMOS[®] Power-Transistor - PG-TDSON-8

Manufacturers [Infineon Technologies Corporation](#)

Package/Case PG-TDSON-8

Product Type Transistors

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for BSC070N10NS3GATMA1 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).

Features

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

Application

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)



Related Products



[BSP613P](#)

Infineon Technologies Corporation
SOT-223



[BSC011N03LS](#)

Infineon Technologies Corporation
PG-TDSON-8



[BSB013NE2LXI](#)

Infineon Technologies Corporation
WDSO-2



[BSC014N04LSATMA1](#)

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[BSC030N08NS5ATMA1](#)

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[BSC026N08NS5ATMA1](#)

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[BSC016N06NSATMA1](#)

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