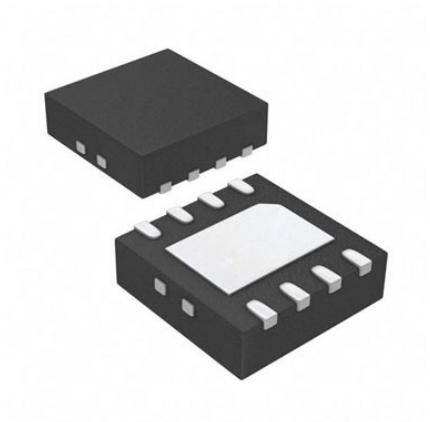


N-Channel 100 V 16 mOhm OptiMOS<sup>?</sup> Power-Transistor - PG-TDSON-8

Manufacturers	<a href="#">Infineon Technologies Corporation</a>
Package/Case	PG-TDSON-8
Product Type	Transistors
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for BSC160N10NS3GATMA1 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<sup>™</sup> 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<sub>DS(on)</sub> and FOM (figure of merit).

## Features

Excellent switching performance

World's lowest R<sub>DS(on)</sub>

Very low Q<sub>g</sub> and Q<sub>gd</sub>

Excellent gate charge x R<sub>DS(on)</sub> 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



### [BSB013NE2LXI](#)

Infineon Technologies Corporation  
WDSO-2



### [BSC030N08NS5ATMA1](#)

Infineon Technologies Corporation  
TDSO-8



### [BSC016N06NSATMA1](#)

Infineon Technologies Corporation  
DSO-8



### [BSC011N03LS](#)

Infineon Technologies Corporation  
PG-TDSO-8



### [BSC014N04LSATMA1](#)

Infineon Technologies Corporation  
tdson-8



### [BSC026N08NS5ATMA1](#)

Infineon Technologies Corporation  
TDSO-8



### [BSC066N06NSATMA1](#)

Infineon Technologies Corporation  
TDSO-8