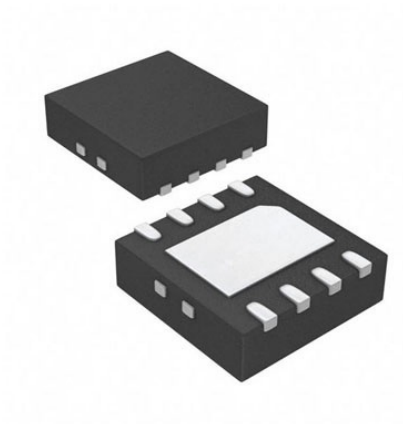


N-Channel MOSFET, 100 A, 100 V BSC040N10NS5, 8-Pin TDSON Infineon

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



Images are for reference only

Please submit RFQ for BSC040N10NS5ATMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

OptiMOS™ 5 100 V power MOSFETs in SuperSO8 DSC (dual-side cooling) package offer all thermal management benefits of dual-side cooling solutions with industry-standard footprint.

SuperSO8 DSC allows excellent thermal performance with two paths for heat dissipation (bottom through PCB + top through exposed clip and heatsink).

About 30% of the heat generated on the MOSFET die is transferred through the top and less heat is transferred to the PCB. Thus, either the PCB runs cooler at the same power dissipation for improved reliability,

or more power can be handled by the MOSFET for higher power density.

High performance silicon technology

Low top-side R_{thJC} (0.72 K/W)

Package rated to >

Industry-standard footprint, compatible with SuperSO8 and PQFN 5x6 products

Lower conduction losses and switching losses for higher system efficiency

Improved heat dissipation for high power density and improved reliability

Superior power handling capability and ruggedness for longer lifetime

Drop-in replacement for SuperSO8 and PQFN 5x6 easy to design-in, no PCB layout change

Power and gardening tools

Service robots and automated guided vehicles (AGVs)

Telecom power supplies

Server power supplies

Features

High performance silicon technology

Low top-side R

thJC

Package rated to >

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Application

Power and gardening tools

Service robots and automated guided vehicles (AGVs)

Telecom power supplies

Server power supplies

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](#)

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[BSC026N08NS5ATMA1](#)

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[BSC066N06NSATMA1](#)

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TDSO-8