

N-Channel MOSFET, 50 A, 150 V OptiMOS 3, 8-Pin TDSO N Infineon

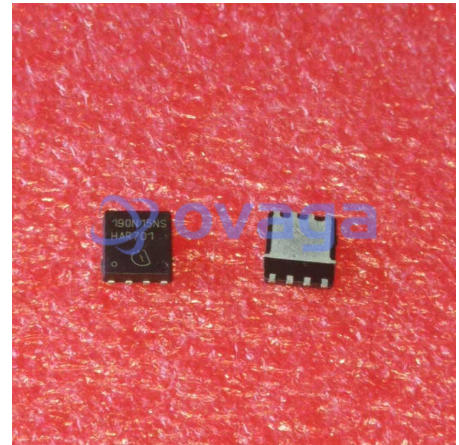
Manufacturers [Infineon Technologies Corporation](#)

Package/Case PG-TDSO-8

Product Type Transistors

RoHS Green

Lifecycle



Images are for reference only

Please submit RFQ for BSC190N15NS3GATMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The 150V OptiMOS™ achieves a reduction in  $R_{DS(on)}$  of 40% and of 45% in figure of merit (FOM) compared to the next best competitor. This drastic improvement opens new possibilities like moving from leaded packages to SMD packages or effectively replacing two old parts with one OptiMOS™ part.

## 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

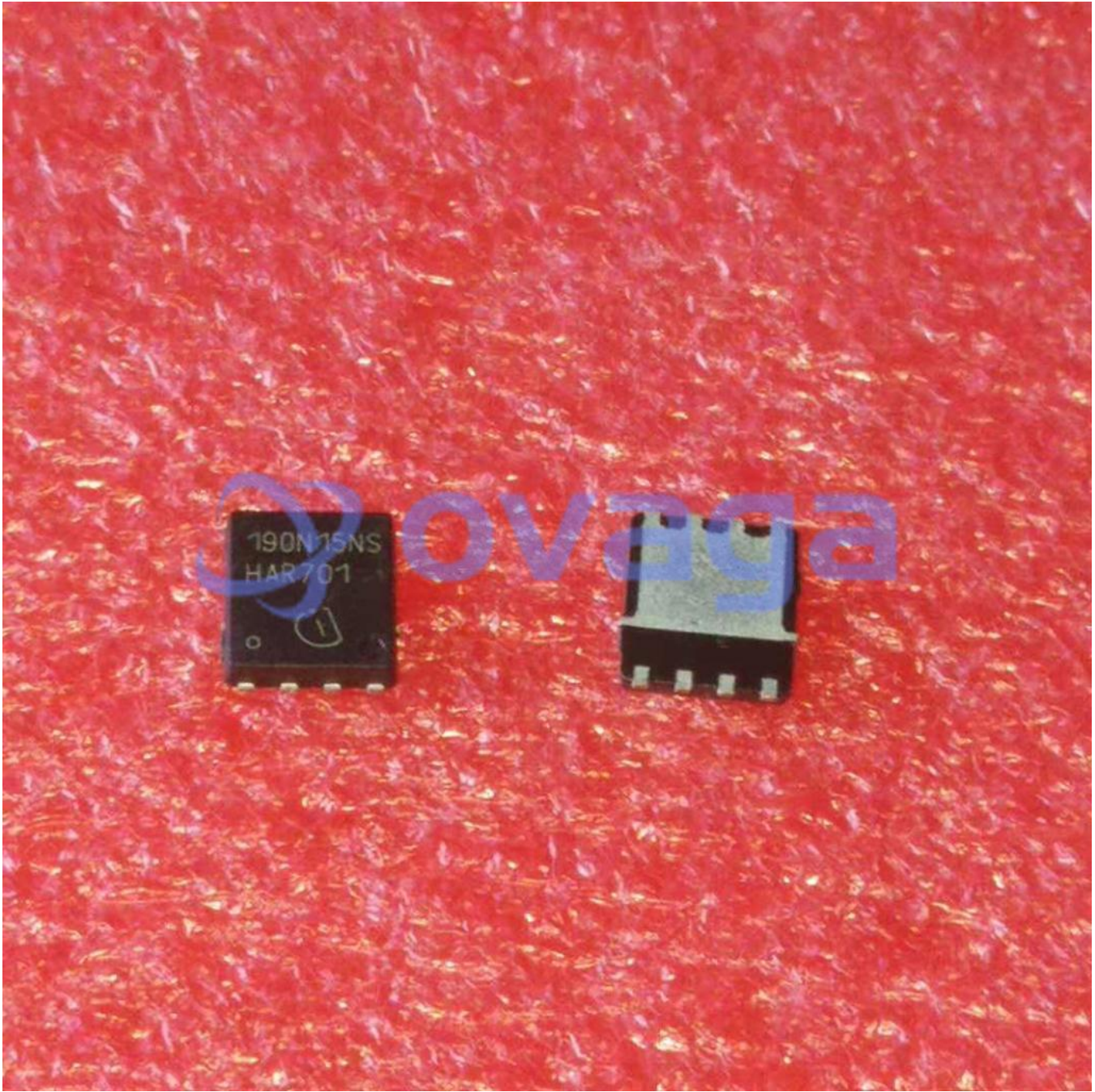
## Application

Synchronous rectification for AC-DC SMPS

Isolated DC-DC converters (telecom and datacom systems)

Or-ing switches and circuit breakers in 48V systems

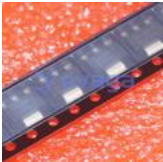
Class D audio amplifiers







**Related Products**



[BSP613P](#)  
Infineon Technologies Corporation  
SOT-223



[BSC011N03LS](#)  
Infineon Technologies Corporation  
PG-TDSON-8



[BSB013NE2LXI](#)  
Infineon Technologies Corporation  
WDSO-2



[BSC014N04LSATMA1](#)  
Infineon Technologies Corporation  
tdson-8



[BSC030N08NS5ATMA1](#)

Infineon Technologies Corporation  
TDSON-8



[BSC026N08NS5ATMA1](#)

Infineon Technologies Corporation  
TDSON-8



[BSC016N06NSATMA1](#)

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DSON-8



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