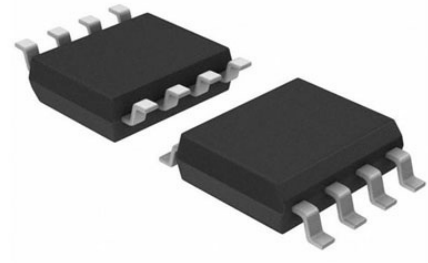


Trans MOSFET N-CH 80V 300A Automotive 9-Pin(8+Tab) HSOF T/R

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



Images are for reference only

Please submit RFQ for IPT012N08N5ATMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Infineon's OptiMOS™ power MOSFET in TO-Leadless package is optimized for high current applications up to 300 A, such as forklifts, light electric vehicles (LEV), power tools, point-of-loads (POL), telecom and e-fuses. Furthermore, the 60 percent smaller package size enables a very compact design. Compared to D²PAK 7-pin, TO-Leadless shows a substantial reduction in footprint of 30 percent. The 50 percent reduced height offers a significant advantage in narrow applications such as rack or blade servers.

Optimized for synchronous rectification

Ideal for high switching frequency

Output capacitance reduction of up to 44 %

$R_{DS(on)}$ reduction of up to 44 %

Highest system efficiency

Reduced switching and conduction losses

Less paralleling required

Increased power density

Low voltage overshoot

Telecom

Server

Solar

Low voltage drives

Light electric vehicles

Adapter

Features

Optimized for synchronous rectification

Ideal for high switching frequency

Output capacitance reduction of up to 44%

R_{DS(on)} reduction of up to 44%

Highest system efficiency

Reduced switching and conduction losses

Less paralleling required

Increased power density

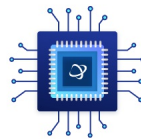
Low voltage overshoot

Related Products



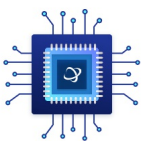
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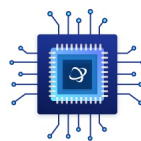
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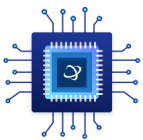
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[IPLU300N04S4-1R1](#)

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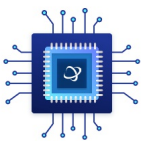
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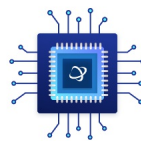
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[IPC90N04S5L-3R3](#)

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