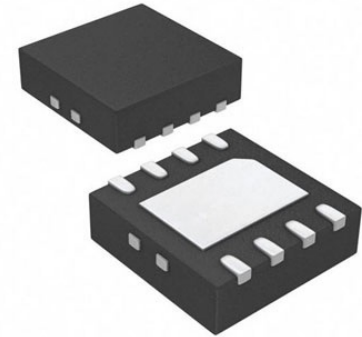


OptiMOS™ 6 40V power MOSFETs combining best-in-class RDS(on) with superior switching performance

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



Images are for reference only

Please submit RFQ for BSZ018N04LS6ATMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The OptiMOS™ 6 power MOSFET 40V family is optimized for a variety of applications and circuits, such as synchronous rectification in switched mode power supplies (SMPS) in servers, desktop PCs, wireless chargers, quick chargers and ORing circuits. Improvements in on-state resistance (RDS(on)) and figure of merits (FOM - RDS(on) x Qg and Qgd) enable designers to increase efficiency, allowing easier thermal design and less paralleling, leading to system cost reduction.

## Features

Compared to alternative products:

RDS(on) reduced by 30%

RDS(on) reduced by 30%

Improved FOM  $Q_g \times RDS(on)$  by 29%

Improved FOM  $Q_{gd} \times RDS(on)$  by 46%

Optimized for synchronous rectification

Suited for ORing circuits

RoHS compliant - halogen free

MSL1 rated

Highest system efficiency

Less paralleling required

Increased power density

Very low voltage overshoot

Reduced need for snubber circuit

System cost reduction

## Related Products



### [BSS192P](#)

Infineon Technologies Corporation  
SOT89



### [BSP299](#)

Infineon Technologies Corporation  
SOT-223



### [BSP129](#)

Infineon Technologies Corporation  
SOT-223



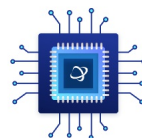
### [BSP280](#)

Infineon Technologies Corporation  
SOT223



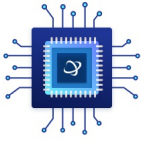
### [BSP125](#)

Infineon Technologies Corporation  
SOT-223



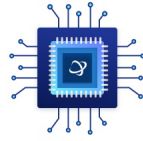
### [BSB044N08NN3G](#)

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[BSZ096N10LS5](#)

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[BSC050N10NS5](#)

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