

P-Channel Logic Level PowerTrench™ MOSFET

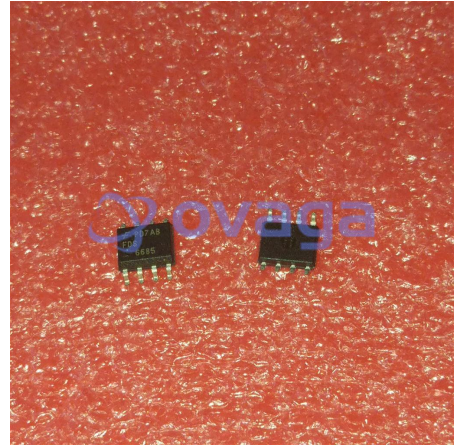
Manufacturers [NXP Semiconductor](#)

Package/Case SOIC-8

Product Type Transistors

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for FDS6685 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

FDS6685 is an N-channel MOSFET transistor designed for switching applications in power electronic circuits. It is commonly used in high-frequency applications due to its fast switching speed and low on-state resistance.

Features

Drain-Source Voltage (V_{ds}): 60V

Continuous Drain Current (I_d): 6.3A

Total Gate Charge (Q_g): 27nC

Low on-state resistance ($R_{ds(on)}$): 0.32ohm

Application

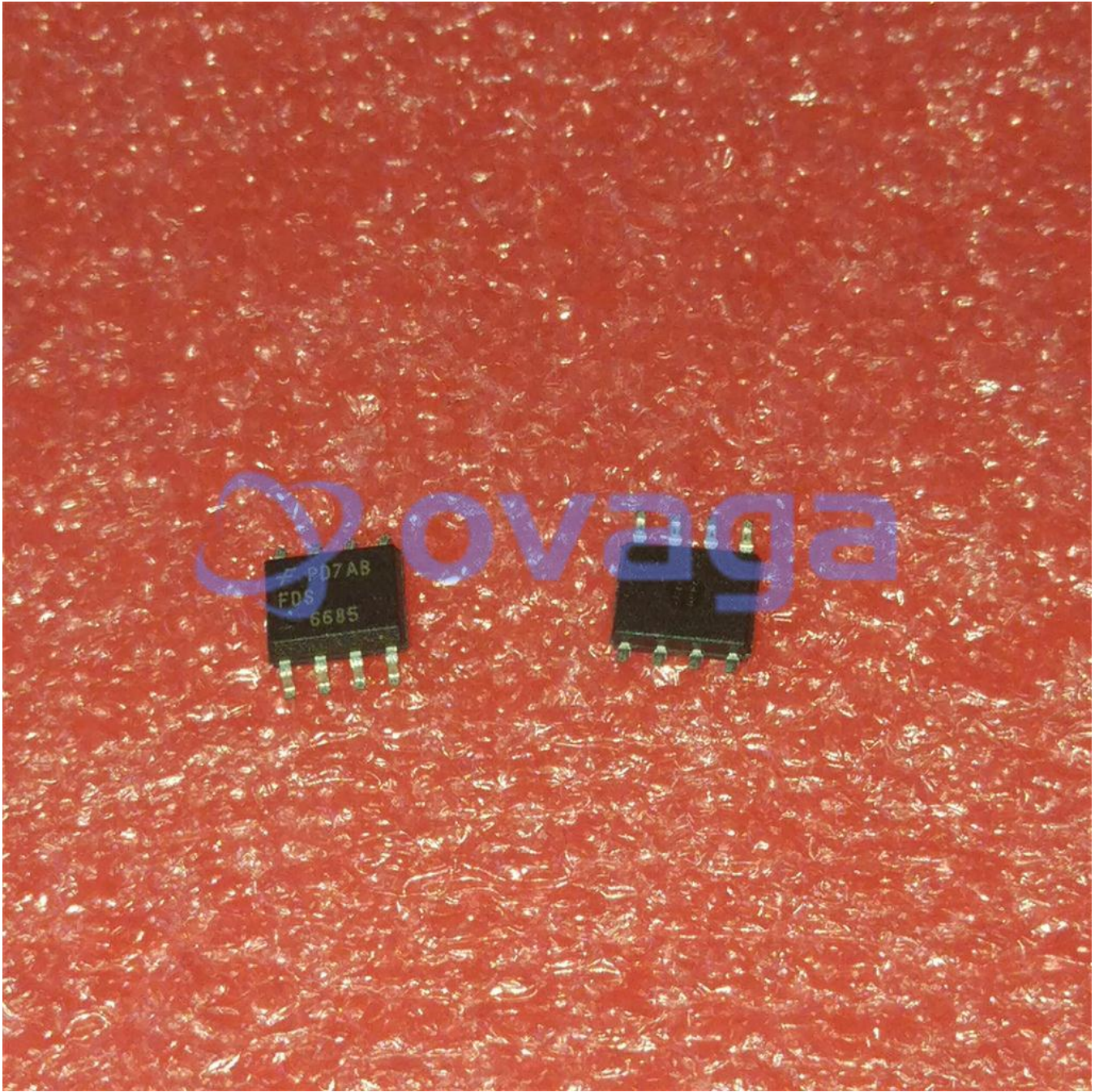
DC-DC converters

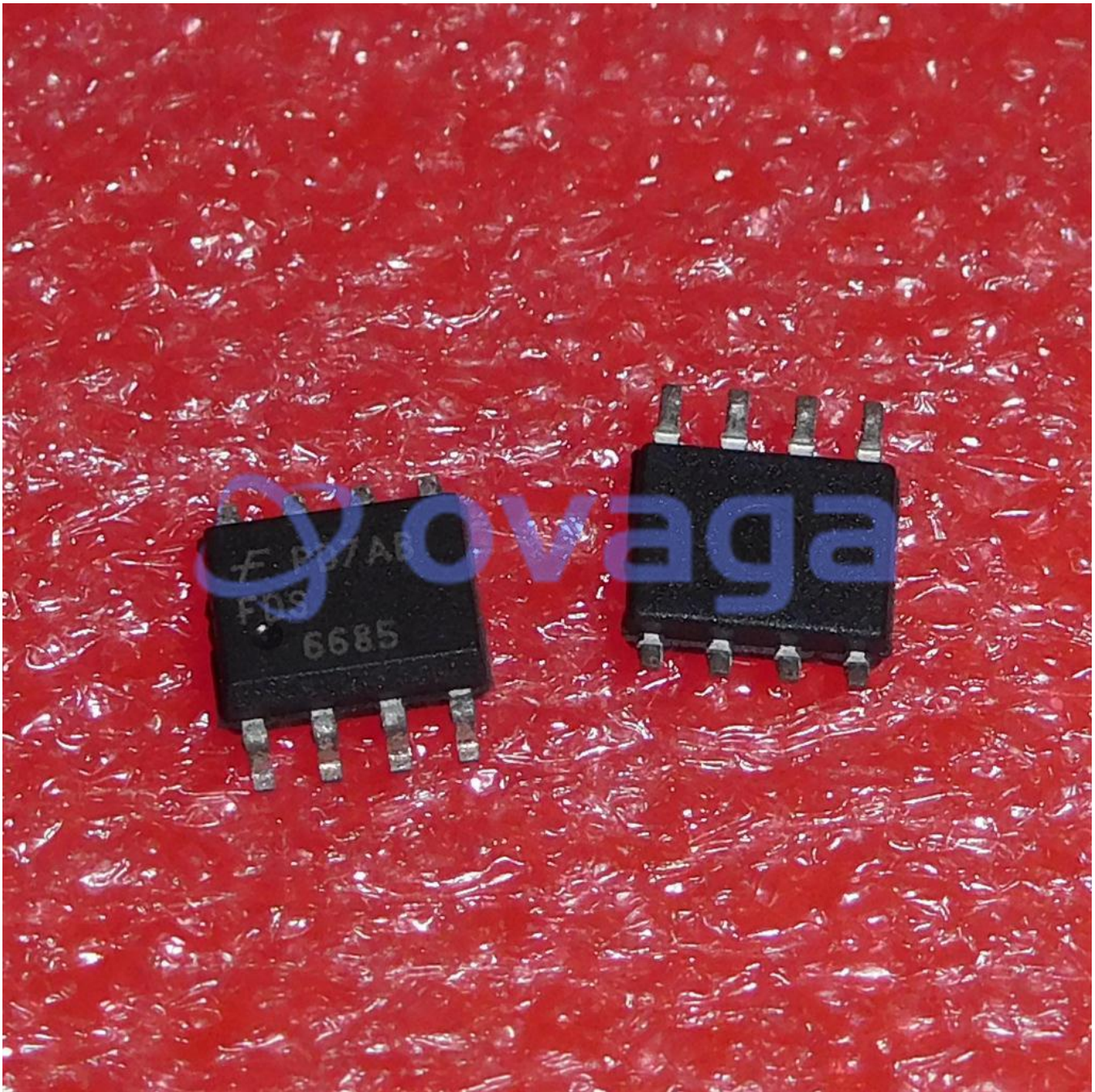
Motor control circuits

Switching power supplies

Lighting applications

Battery charging circuits





Related Products



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