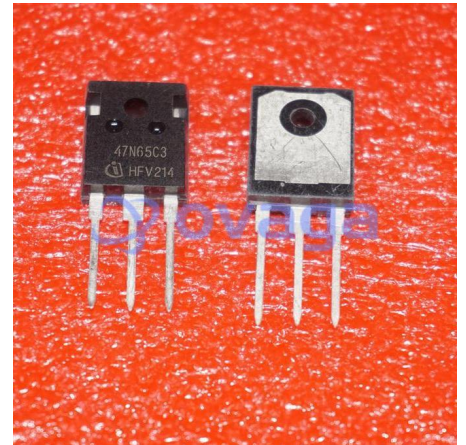


N-Channel MOSFETs (>500V...900V); Package: PG-TO247-3; VDS (max): 650.0 V; Package: TO-247; RDS(ON) @ TJ=25°C VGS=10: 70.0 mOhm; ID(max) @ TC=25°C: 47.0 A; IDpuls (max): 141.0 A; MOSFET COOL MOS PWR TRANS 650V 0.7 Ohms

Manufacturers	<u>Infineon Technologies Corporation</u>
Package/Case	TO-247
Product Type	Transistors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for SPW47N65C3 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

SPW47N65C3 is a specific part number that corresponds to a power MOSFET, which is a type of electronic component used for switching applications in power electronics circuits. Here's some information about SPW47N65C3:

Features

It is a N-channel MOSFET, which means it conducts current when a positive voltage is applied to its gate relative to its source.

It has a voltage rating of 650V, which means it can handle a maximum voltage of 650 volts.

It has a current rating of 47A, which means it can handle a maximum current of 47 amps.

It has a low on-resistance ($R_{ds(on)}$) of typically 0.048 ohms, which means it has low conduction losses and is efficient in conducting current when it is turned on.

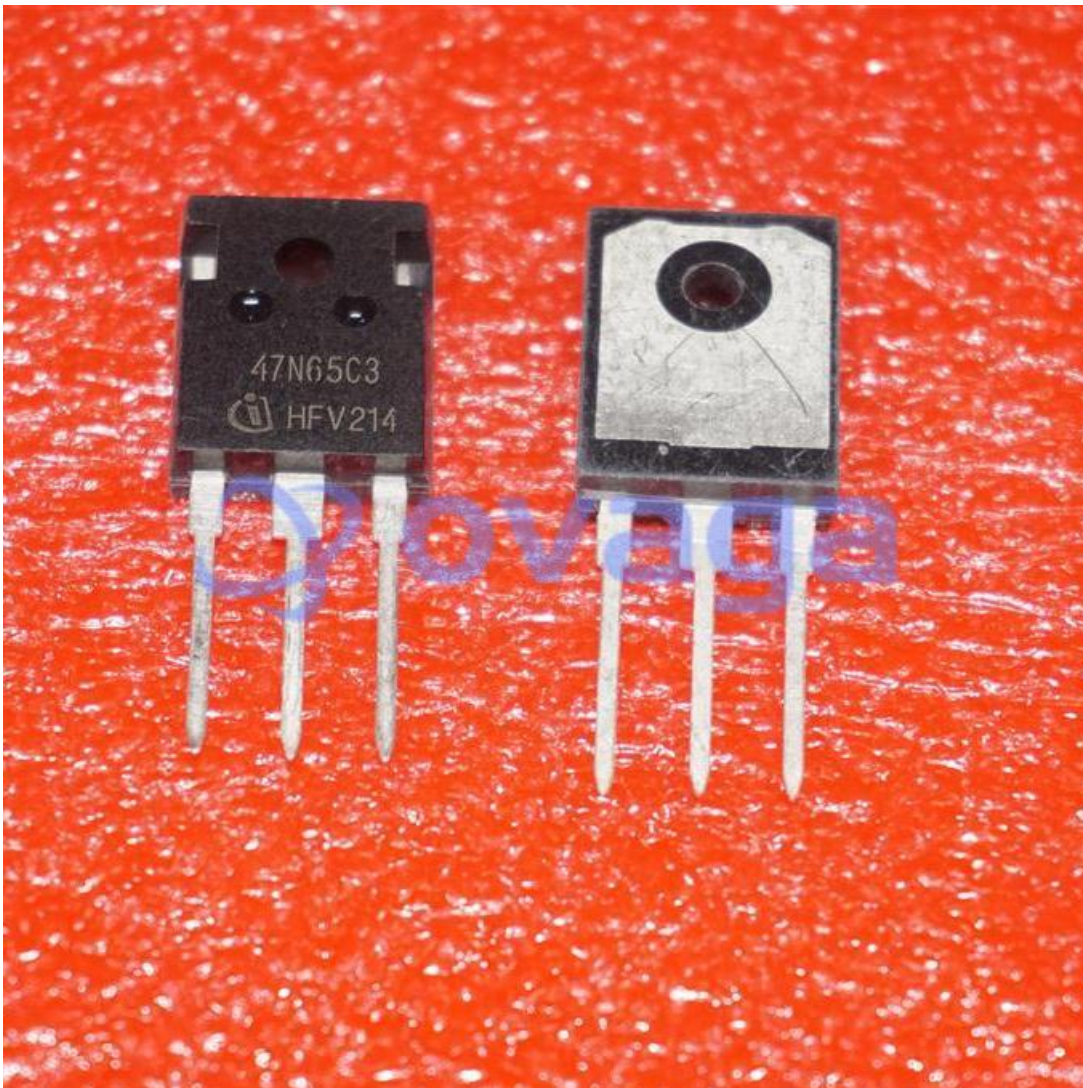
It has a fast switching speed, which makes it suitable for high-frequency applications.

It is designed to operate in a wide temperature range, typically from -55°C to 150°C .

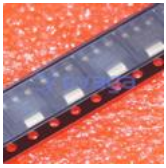
Application

It can be used in various power electronics applications, such as in switch mode power supplies (SMPS), motor drives, uninterruptible power supplies (UPS), and other industrial and consumer electronics applications.

It is commonly used in applications that require high voltage and high current switching, where efficient power management and low conduction losses are important considerations.



Related Products



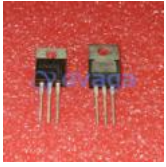
[BSP613P](#)

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SOT-223



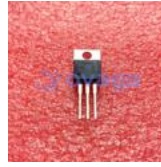
[SPP11N65C3](#)

Infineon Technologies Corporation
TO-220



[SPP07N65C3](#)

Infineon Technologies Corporation
TO-220AB



[SPP07N60S5](#)

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P-TO220-3-1



[SPP11N60C3XKSA1](#)

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[IRF640NSPBF](#)

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PAK-3



[SPD03N60S5](#)

Infineon Technologies Corporation
TO-252



[SPP20N60CFD](#)

Infineon Technologies Corporation
TO-220AB