

N-channel TrenchMOS logic level FET

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	SOT-669
Product Type	Discrete Semiconductors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for PSMN5R0-30YL or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

PSMN5R0-30YL is a product code for a particular Power MOSFET (metal-oxide-semiconductor field-effect transistor) manufactured by Nexperia. Here is some information on this MOSFET:

### Features

It is an N-channel MOSFET with a maximum voltage rating of 30V and a maximum current rating of 75A.

It has a low on-resistance ( $R_{DS(on)}$ ) of 5 m $\Omega$ , which means it can handle high currents with minimal power loss.

It is designed with Nexperia's advanced Trench 9 technology, which allows for a high packing density and low switching losses.

It has a TO-220 package, which is commonly used for power electronics applications.

### Application

It is commonly used in power electronics applications such as DC-DC converters, motor control, and battery protection circuits.

It is also suitable for applications that require high current switching and low power losses.



## Related Products



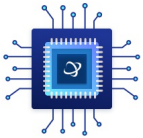
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NXP Semiconductor  
TO-252



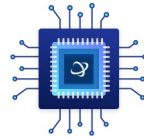
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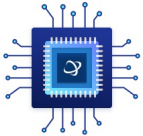
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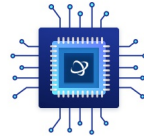
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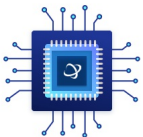
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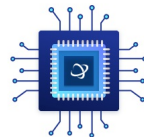
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