

55V Single N-Channel HEXFET Power MOSFET in a TO-220AB package; Similar to the IRL3705N with lead free packaging

Manufacturers	<u>Infinion Technologies Corporation</u>
Package/Case	TO-220
Product Type	Transistors
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for IRL3705NPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

Fifth Generation HEXFETs from International Rectifier utilize advanced processing techniques to achieve extremely low on-resistance per silicon area. This benefit, combined with the fast switching speed and ruggedized device design that HEXFET Power MOSFETs are well known for, provides the designer with an extremely efficient and reliable device for use in a wide variety of applications.

The D2Pak is a surface mount power package capable of accommodating die sizes up to HEX-4. It provides the highest power capability and the lowest possible on resistance in any existing surface mount package. The D2Pak is suitable for high current applications because of its low internal connection resistance and can dissipate up to 2.0W in a typical surface mount application.

The through-hole version (IRL3705NL) is available for low profile applications.

- Advanced Process Technology
- Surface Mount (IRL3705NS)
- Low-profile through-hole (IRL3705NL)
- 175°C Operating Temperature
- Fast Switching
- Fully Avalanche Rated
- Logic-Level Gate Drive

## Features

Planar cell structure for wide SOA

Optimized for broadest availability from distribution partners

Product qualification according to JEDEC standard

Silicon optimized for applications switching below <100kHz

Industry standard surface-mount power package

High-current carrying capability package (up to 195 A, die-size dependent)

Capable of being wave-soldered



## Related Products



### [IRLTS6342TRPBF](#)

Infineon Technologies Corporation  
TSOP-6



### [IRF9310PBF](#)

Infineon Technologies Corporation  
SOIC-8



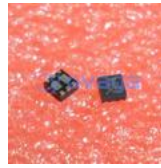
### [IRF9358TRPBF](#)

Infineon Technologies Corporation  
SOP-8



### [IRFB3307ZPBF](#)

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TO-220AB



### [IRLHS6376TRPBF](#)

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PQFN2x2DD



### [IRFH9310TRPBF](#)

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### [IRFB7430PBF](#)

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TO-220



### [IRF7351TRPBF](#)

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