



## Product brief

# StrongIRFET™ 2 MOSFETs – 80 V/100 V

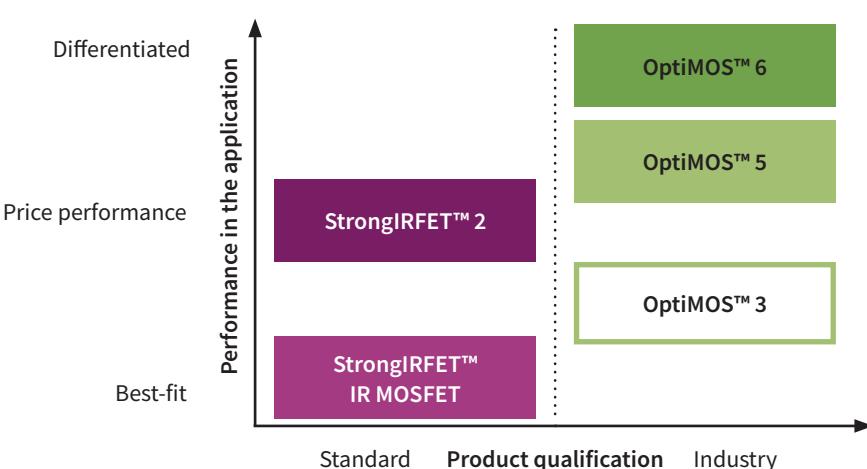
Right-fit products for a broad range of applications

The new StrongIRFET™ 2 power MOSFETs in the TO-220 package are the latest generation of MOSFET technology addressing a wide range of applications such as adapter, TV, motor drives, e-scooter, battery management, light electric vehicles, robotics, power and gardening tools.

Featuring broad availability and excellent price/performance ratio, this new technology offers right-fit products with an easy choice for designers interested in convenient selection and purchasing. Optimized for both low and high switching frequencies, the family supports a broad range of applications enabling flexibility in design.

### Key features

- Broad availability from distribution partners
- Excellent price/performance ratio
- Ideal for high and low switching frequency
- Industry standard footprint through-hole package
- High current rating



### Key benefits

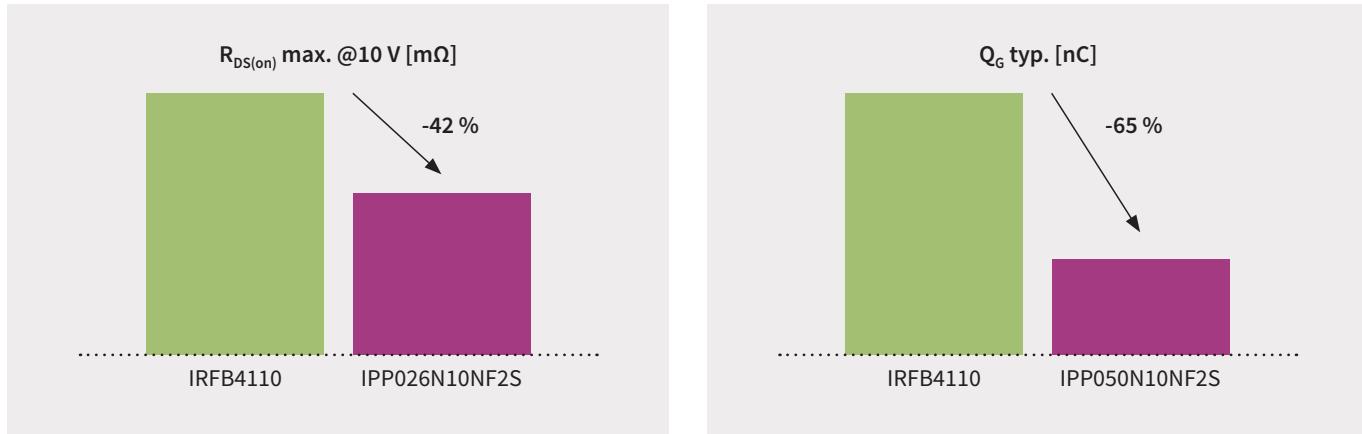
- Increased security of supply
- Right-fit products
- Supports a wide variety of applications
- Standard pinout allows for drop-in replacement
- Increased product ruggedness



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## StrongIRFET™ 2 vs. previous generation 100 V performance comparison



Compared to the previous StrongIRFET™ generation in 100 V TO-220 package, StrongIRFET™ 2 shows significant improvements such as ~40 % lower  $R_{DS(on)}$  and ~65% reduced  $Q_G$ . This results in better efficiency and longer life time.

## Product portfolio

Package	Voltage [V]	Part number	$R_{DS(on)}$ max. [mΩ]
TO-220	80 V	IPP016N08NF2S	1.6 mΩ
		IPP019N08NF2S	1.9 mΩ
		IPP024N08NF2S	2.4 mΩ
		IPP040N08NF2S	4.0 mΩ
		IPP055N08NF2S	5.5 mΩ
		IPP026N10NF2S	2.6 mΩ
		IPP050N10NF2S	5.0 mΩ
		IPP082N10NF2S	8.2 mΩ
	100 V	IPP129N10NF2S	12.9 mΩ

Published by  
Infineon Technologies Austria AG  
9500 Villach, Austria

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