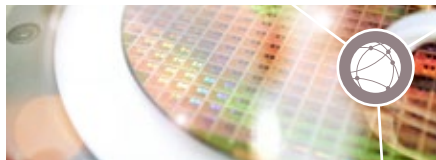




In the heart of power: CoolMOS™ 7 – CoolSiC™ – CoolGaN™

CoolMOS™ 7 is the latest generation of high voltage superjunction MOSFETs from Infineon, setting new standards for energy efficiency, power density and ease-of-use. CoolMOS™ 7 boasts the best figures of merit in terms of conduction, switching and driving losses. CoolSiC™ and CoolGaN™ technologies look into the future enabling the design of systems of extreme efficiency and compactness that meet future needs for greener and better products.

7 good reasons to go cool and grow your business with Infineon high voltage conversion solutions!



Product and technology leader

Put the MOSFET leader in your offering, partner up with the superjunction inventor with a solid 20 years track record and a robust roadmap



System approach

Infineon's P2S – product-to-system – approach makes the design-in process easier and increases selling opportunities for our partners



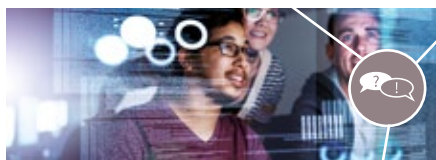
Quality and cost leader

Infineon's acknowledged high quality reduces after sales efforts and increases customer satisfaction, at very competitive price levels



Unrivalled supply chain

With the largest capacity in the power semiconductors industry, Infineon helps partners to secure revenue and to increase customer satisfaction



Excellent support

Infineon's robust support structure helps customers to fasten time-to-market and simplify design-in efforts



Sales enhancement

Availability of information, content and tools makes sales more effective and strong investment in marketing generates demand



The most comprehensive portfolio

The high granularity of the high voltage MOSFET portfolio matches the requirements of an increasing number of applications, generating opportunities for more sales

Application to product matrix

Application	CoolMOS™ 7									CoolSiC™	CoolGaN™	Driver ICs
	CFD7 – 600 V	C7 – 650 V	C7 – 600 V	G7 – 650 V	G7 – 600 V	P7 – 600 V	P7 – 700 V	P7 – 800 V	P7 – 950 V	CoolSiC™ diode G6	CoolGaN™ 600 V	EiceDRIVER™
Low power applications												
TV						✓	✓				✓	
Charger						✓	✓	✓	✓		✓	
Adapter						✓	✓	✓	✓		✓	
Lighting						✓	✓	✓	✓		✓	
Audio						✓	✓	✓			✓	
Gaming						✓	✓					
PC power						✓						
Smart meter								✓	✓			
Fast growing high power applications												
EV charging	✓	✓		✓		✓						✓
LSEV	✓	✓		✓		✓				✓		✓
Industrial battery charging	✓					✓				✓	✓	✓
High power applications												
Server	✓	✓	✓	✓	✓	✓				✓	✓	✓
Telecom	✓	✓	✓	✓	✓	✓				✓	✓	✓
Industrial SMPS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Solar		✓		✓		✓				✓	✓	✓

Portfolio for low power applications (<150 W)

P7 – 600 V 0.18 – 0.6 Ω			P7 – 700 V 0.36 – 2.0 Ω		P7 – 800 V 0.28 – 4.5 Ω		P7 – 950 V 0.45 – 3.7 Ω		CoolGaN™ 0.19 – 0.34 Ω	
PFC	Flyback	LLC	PFC	Flyback	PFC	Flyback	PFC	Flyback	Flyback	

Portfolio for high power applications (>150 W)

C7 – 600 V C7 – 650 V G7 – 600 V G7 – 650 V CFD7 – 600 V	C7 – 600 V G7 – 600 V CFD7 – 600 V	CFD7 – 600 V	P6 – 600 V P7 – 600 V	P7 – 600 V CFD7 – 600 V	CFD7 – 600 V	CoolSiC™ diode 600 V/650 V	CoolGaN™ 600 V
PFC	LLC	ZVS PS FB	PFC	LLC	ZVS PS	PFC	PFC
$R_{DS(on)}$ 17 – 190 mΩ							
Gate driver ICs							
2EDN 1EDN	2EDN 1EDN	2EDN 1EDN	2EDN 1EDN	2EDN 1EDN	2EDN 1EDN	CoolGaN™ drivers	

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