

Selection Guide

CoolMOS™ best-in-class $R_{DS(on)}$ /package products

Infineon Technologies introduces the best-in-class $R_{DS(on)}$ CoolMOS™ parts in packages that no competitor device can achieve.

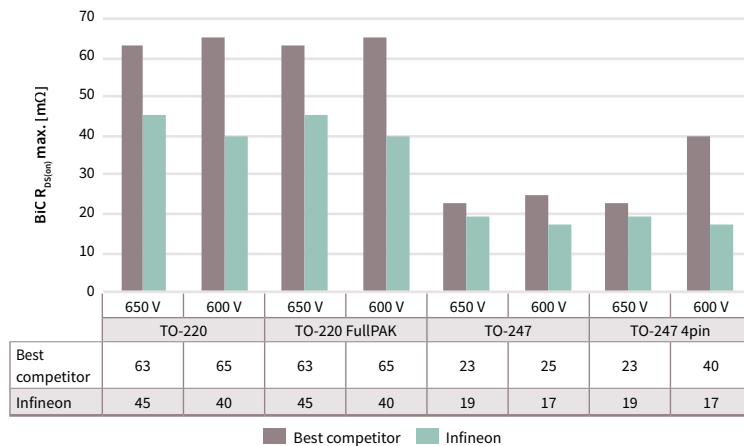
Key features

- > Best-in-class $R_{DS(on)}$ in 600 V, 650 V and 800 V technologies per package
- > Wide variety of through hole devices (THD) and surface mount devices (SMD)

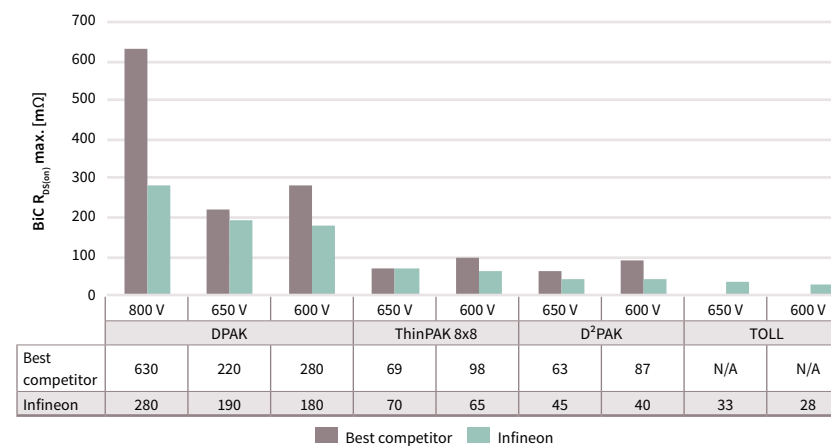
Key benefits

- > Improved efficiency
- > Improved power density
- > Suited for wide variety of end applications

Best-in-class $R_{DS(on)}$ comparison for TO-220, TO-220 FullPAK, TO-247 and TO-247 4pin



Best-in-class $R_{DS(on)}$ comparison for DPAK, ThinPAK 8x8, D²PAK and TO-Leadless



CoolMOS™ best-in-class $R_{DS(on)}$ /package products

Product availability according to $R_{DS(on)}$, voltage class and CoolMOS™ series

Packages		DPAK		ThinPAK 8x8	D ² PAK	TO-Leadless (TOLL)		TO-220 and TO-220 FullPAK	TO-247 and TO-247 4pin
		280 mΩ–450 mΩ	180 mΩ–190 mΩ	65 mΩ	40 mΩ–60 mΩ	50 mΩ	28 mΩ–33 mΩ	40 mΩ–65 mΩ	17 mΩ–19 mΩ
Voltage [V]	Series								
600	P7		IPD60R180P7		IPB60R040C7				
	C7		IPD60R180C7	IPL60R065C7	IPB60R060C7			IPP60R040C7 IPP60R060C7 IPA60R060C7	IPW60R017C7 IPZ60R017C7
	G7					IPT60R050G7	IPT60R028G7		
650	C7		IPD65R190C7		IPB65R045C7			IPP65R045C7 IPA65R065C7	IPW65R019C7 IPZ65R019C7
	G7						IPT65R033G7		
800	P7	IPD80R280P7 IPD80R450P7							

BIC & COMING SOON	BEST-IN-CLASS
-------------------	---------------

Published by
Infineon Technologies Austria AG
9500 Villach, Austria

© 2016 Infineon Technologies AG.
All Rights Reserved.

Order Number: B116-I0370-V1-7600-EU-EC-P
Date: 09/2016

Please note!

THIS DOCUMENT IS FOR INFORMATION PURPOSES ONLY AND ANY INFORMATION GIVEN HEREIN SHALL IN NO EVENT BE REGARDED AS A WARRANTY, GUARANTEE OR DESCRIPTION OF ANY FUNCTIONALITY, CONDITIONS AND/OR QUALITY OF OUR PRODUCTS OR ANY SUITABILITY FOR A PARTICULAR PURPOSE. WITH REGARD TO THE TECHNICAL SPECIFICATIONS OF OUR PRODUCTS, WE KINDLY ASK YOU TO REFER TO THE RELEVANT PRODUCT DATA SHEETS PROVIDED BY US. OUR CUSTOMERS AND THEIR TECHNICAL DEPARTMENTS ARE REQUIRED TO EVALUATE THE SUITABILITY OF OUR PRODUCTS FOR THE INTENDED APPLICATION.

WE RESERVE THE RIGHT TO CHANGE THIS DOCUMENT AND/OR THE INFORMATION GIVEN HEREIN AT ANY TIME.

Additional information

For further information on technologies, our products, the application of our products, delivery terms and conditions and/or prices, please contact your nearest Infineon Technologies office (www.infineon.com).

Warnings

Due to technical requirements, our products may contain dangerous substances. For information on the types in question, please contact your nearest Infineon Technologies office.

Except as otherwise explicitly approved by us in a written document signed by authorized representatives of Infineon Technologies, our products may not be used in any life-endangering applications, including but not limited to medical, nuclear, military, life-critical or any other applications where a failure of the product or any consequences of the use thereof can result in personal injury.