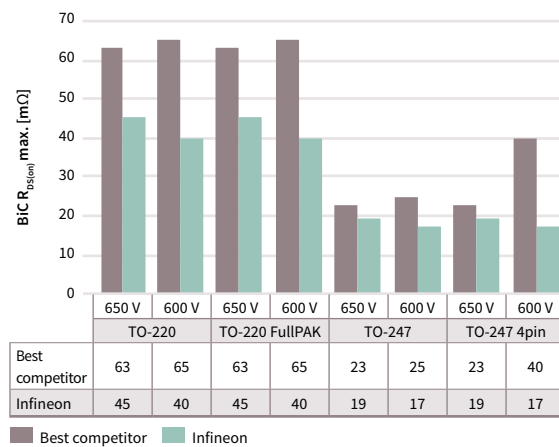


## Selection Guide

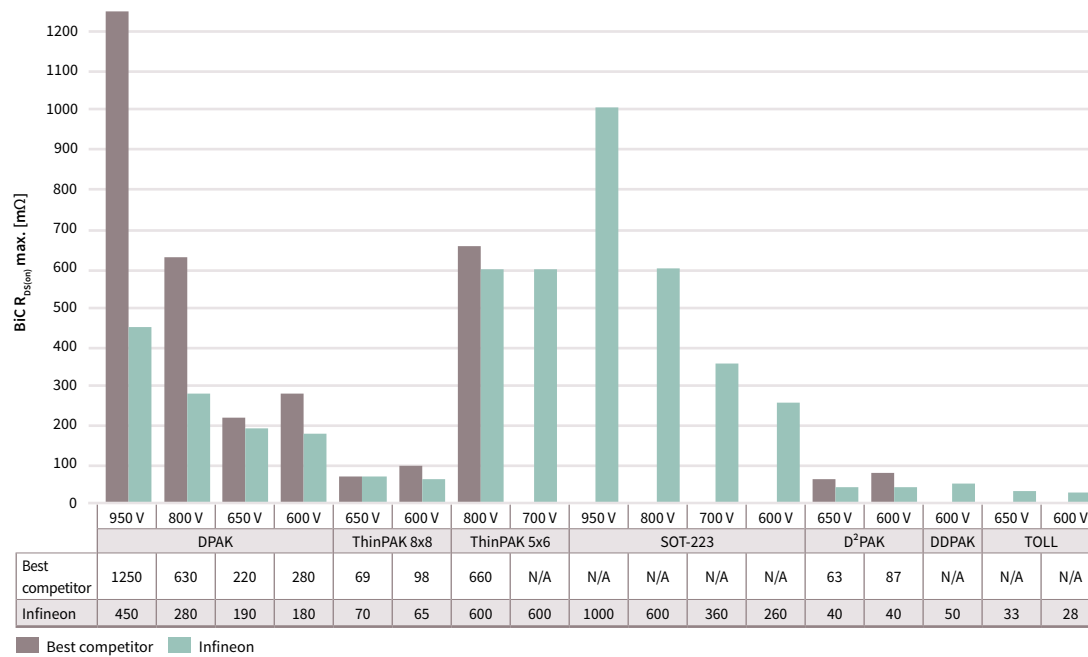
# CoolMOS™ best-in-class $R_{DS(on)}$ /package products

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

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, ThinPAK 5x6, SOT-223, D<sup>2</sup>PAK, DDPAK and TO-Leadless

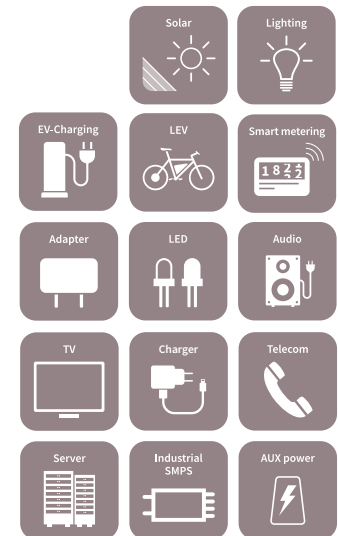


### Key features

- Best-in-class  $R_{DS(on)}$  in 600 to 950 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



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

Best-in-class products by  $R_{DS(on)}$ , voltage class and CoolMOS™ series

Packages		DPAK		ThinPAK 8x8	ThinPAK 5x6	D <sup>2</sup> PAK	DDPAK	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	600 mΩ	40 mΩ–60 mΩ	50 mΩ	50 mΩ	28 mΩ–33 mΩ	40 mΩ–65 mΩ	17 mΩ–19 mΩ
Voltage [V]	Series										
600	P7		IPD60R180P7			IPB60R045P7 <sup>1)</sup>					
	C7		IPD60R180C7	IPL60R065C7		IPB60R040C7				IPP60R040C7 IPP60R060C7 IPA60R060C7	IPW60R017C7 IPZ60R017C7
	G7						IPDD60R050G7	IPT60R050G7	IPT60R028G7		
	CFD7			IPL60R060CFD7		IPB60R040CFD7 <sup>1)</sup>				IPP60R070CFD7	IPW60R018CFD7
650	C7		IPD65R190C7			IPB65R045C7				IPP65R045C7 IPA65R065C7	IPW65R019C7 IPZ65R019C7
	G7					IPDD60R050G7			IPT65R033G7		
700	P7				IPLK70R600P7						
800	P7	IPD80R280P7 IPD80R450P7			IPLK80R600P7						
950	P7	IPD95R450P7									

ACTIVE & PREFERRED

BEST-IN-CLASS

<sup>1)</sup> Coming soon

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