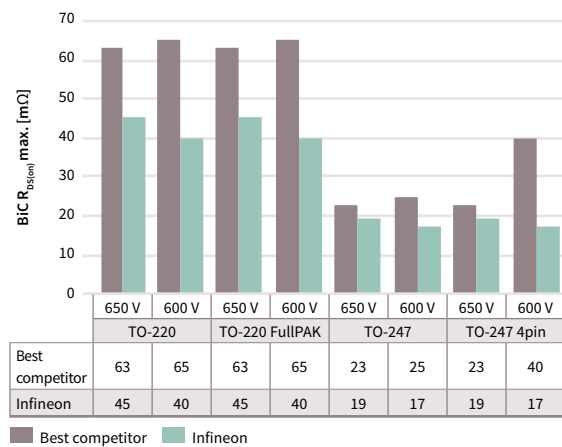


## Selection guide

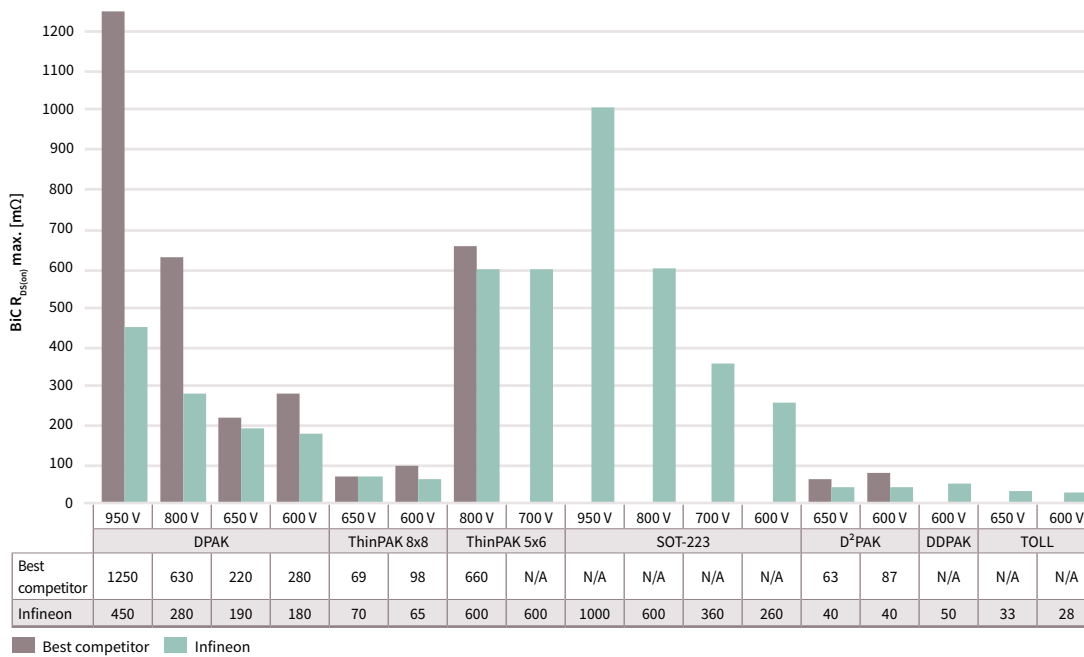
# CoolMOS™ best-in-class $R_{DS(on)}$ /package products

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 4-pin



Best-in-class  $R_{DS(on)}$  comparison for DPAK, ThinPAK 8x8, ThinPAK 5x6, SOT-223, D<sup>2</sup>PAK, DDPAK and TO-Leadless

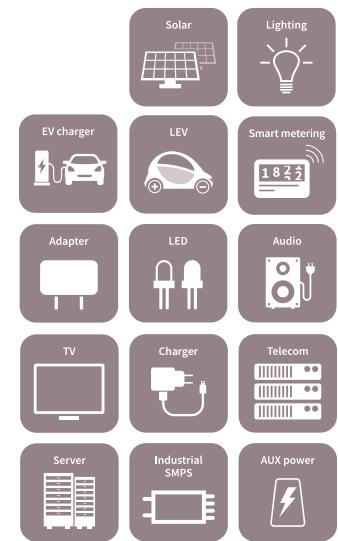


### Key features

- 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 4-pin		
		280–450 mΩ	180–190 mΩ	65 mΩ	600 mΩ	40–60 mΩ	50 mΩ	50 mΩ	28–33 mΩ	40–65 mΩ		37–45 mΩ	24 mΩ	17–19 mΩ
Voltage [V]	Series													
600	P7		IPD60R180P7			IPB60R045P7						IPW60R037P7 IPZA60R037P7 IPW60R045P7 IPZA60R045P7	IPW60R024P7 IPZA60R024P7	
	C7		IPD60R180C7	IPL60R065C7		IPB60R040C7				IPP60R040C7 IPP60R060C7 IPA60R060C7				IPW60R017C7 IPZ60R017C7
	G7						IPDD60R050G7	IPT60R050G7	IPT60R028G7					
	CFD7			IPL60R060CFD7		IPB60R040CFD7					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

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