

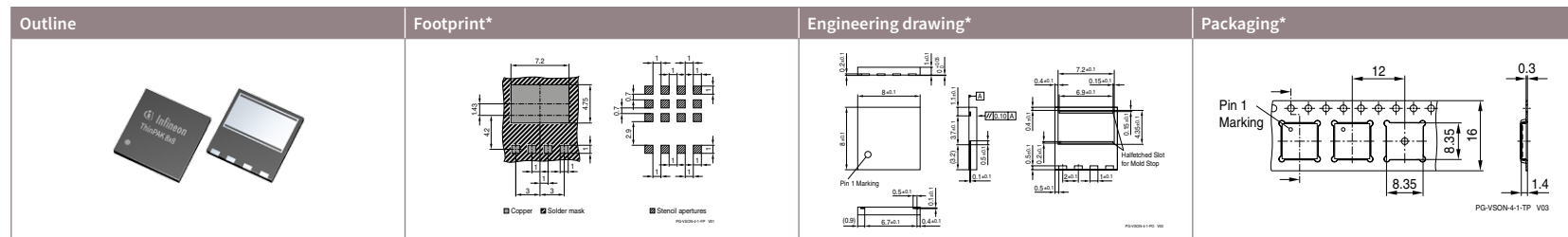
Selection Guide

CoolMOS™ product offerings in ThinPAK 8x8

Including best-in-class $R_{DS(on)}$

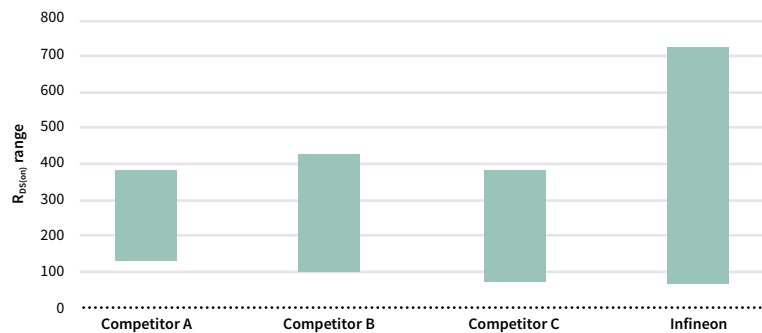
Infineon Technologies introduces the new product offerings in ThinPAK 8x8 package, including new lowest $R_{DS(on)}$ parts.

ThinPAK 8x8 package Information



*All measurements in mm

$R_{DS(on)}$ range for 8x8 package



- > Infineon have a full range of parts compared to competitors in ThinPAK 8x8 package
- > From 65 mΩ to 725 mΩ
- > 65 mΩ is lowest $R_{DS(on)}$ available on the market today in this package

Key features

- > Small footprint (8 x 8 mm²)
- > Low profile (1 mm)
- > Low parasitic inductance
- > Separate driver source pin option (Kelvin Source)
- > Low parasitic source inductance (2 nH)
- > RoHS compliant
- > Halogen free mold compound

Key benefits

- > Reduced board space consumption
- > Increased power density (60% footprint reduction and 80% height reduction compared to D²PAK)
- > Low inductance minimizes voltage overshoots and makes device easier to use
- > Short commutation loop
- > Smooth switching waveform
- > Easy to use products
- > Environmentally friendly

CoolMOS™ product offerings in ThinPAK 8x8

Including new best-in-class $R_{DS(on)}$ offerings



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

Voltage [V]	Series	$R_{DS(on)}$ group [mΩ]									
		60-75	95-115	125-130	140-165	180-199	210-215	230-255	299-340	365-460	660-725
600	CP					IPL60R199CP			IPL60R299CP	IPL60R385CP	
	P6					IPL60R180P6	IPL60R210P6	IPL60R255P6			
	P7					IPL60R185P7 ¹⁾				IPL60R365P7 ¹⁾	
	C7	IPL60R065C7	IPL60R104C7	IPL60R125C7		IPL60R185C7					
	CFD7	IPL60R075CFD7	IPL60R115CFD7 ¹⁾		IPL60R160CFD7 ¹⁾	IPL60R185CFD7	IPL60R215CFD7 ¹⁾				
		IPL60R060CFD7 ¹⁾	IPL60R095CFD7 ¹⁾		IPL60R140CFD7 ¹⁾						
650	C7	IPL65R070C7	IPL65R099C7	IPL65R130C7		IPL65R195C7		IPL65R230C7			
	E6					IPL65R190E6			IPL65R310E6	IPL65R420E6	IPL65R660E6
	CFD				IPL65R165CFD		IPL65R210CFD		IPL65R340CFD	IPL65R460CFD	IPL65R725CFD

ACTIVE & PREFERRED

ACTIVE

BEST-IN-CLASS

¹⁾ Coming soon

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