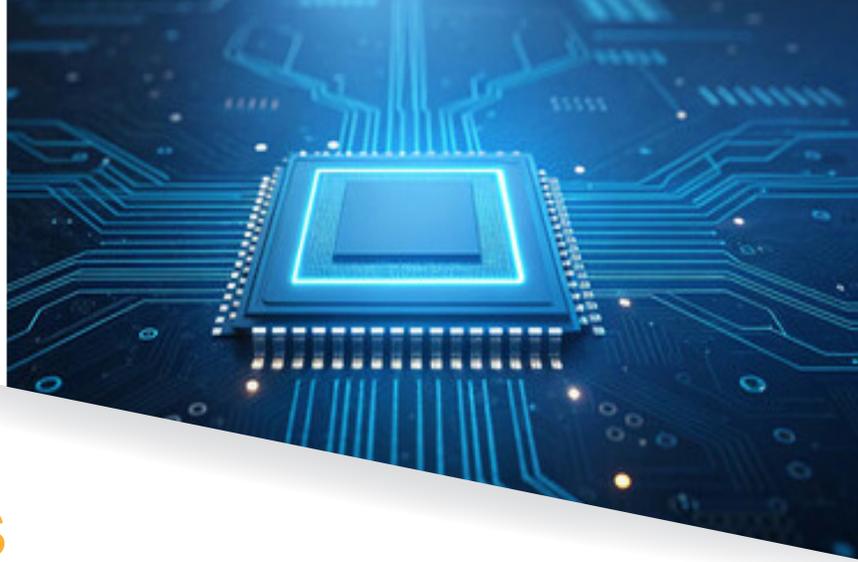


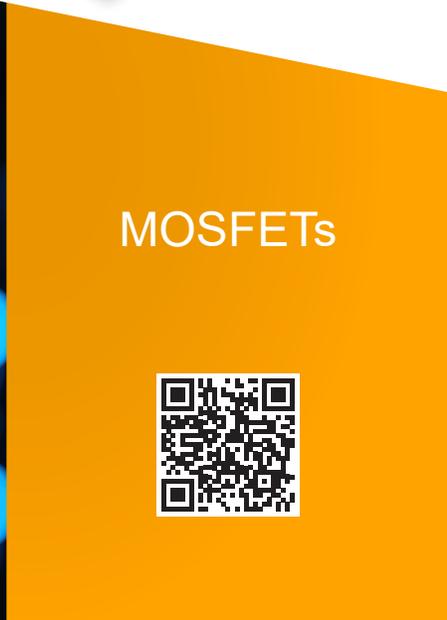
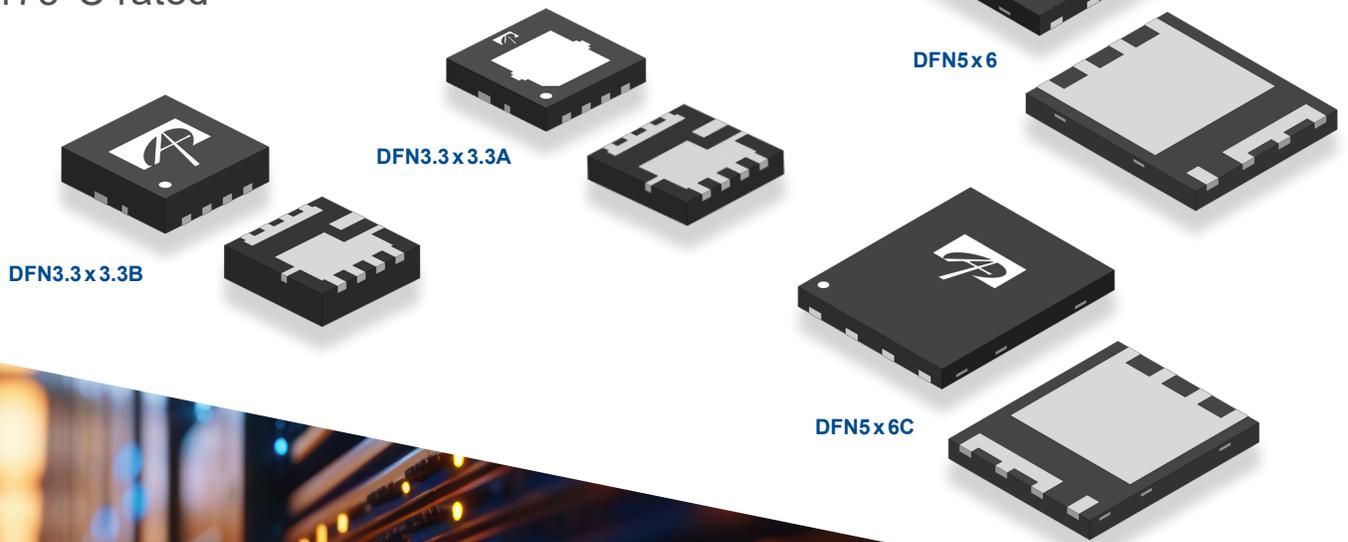


ALPHA & OMEGA
SEMICONDUCTOR



Power MOSFETs for 48V Architecture in AI Servers

- AlphaSGT™ MOSFET Technology
- Double-Sided Cooling for Optimal Heat Transfer
- $T_J=175^{\circ}\text{C}$ rated



MOSFETs



Features

- AlphaSGT™ Technology
- Low Gate Charge
- $T_j=175^{\circ}\text{C}$ rated
- Double-Sided Cooling Packaging

Applications

- DC/DC Brick Modules
- AI Server
- Telecom

Product Selection Table

Part Number	V_{DS} (V)	V_{GS} ($\pm V$)	T_j -max ($^{\circ}\text{C}$)	$R_{\theta JC}$ (max) ($^{\circ}\text{C}/\text{W}$)		$R_{DS(ON)}$ (m Ω max) @ $V_{GS} = 10\text{V}$	$R_{DS(ON)}$ (m Ω max) @ $V_{GS} = 4.5\text{V}$	Package
				Top	Bottom			
AONC40202	25	12	175	0.9	1.1	0.63	0.8	DFN3.3x3.3A
AONK40202	25	12	175	N/A	1.1	0.69	0.85	DFN3.3x3.3B
AONK40206*	25	16	175	N/A	1.1	0.69	N/A	DFN3.3x3.3B
AONC68410*	40	16	175	0.9	1.1	1.2	2.4	DFN3.3x3.3A
AONK68410*	40	16	175	N/A	1.1	1.2	2.4	DFN3.3x3.3B
AONC68411*	40	20	175	0.9	1.1	1.3	N/A	DFN3.3x3.3A
AONA68842	60	20	175	0.5	0.55	1.35	N/A	DFN5x6
AONC68816	80	20	175	0.9	1.1	4.7	5.8	DFN3.3x3.3A
AONA68815	80	20	175	0.5	0.55	2.4	N/A	DFN5x6
AONS68805*	80	20	175	N/A	0.3	1.55	N/A	DFN5x6C

* = Available Q2'26

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