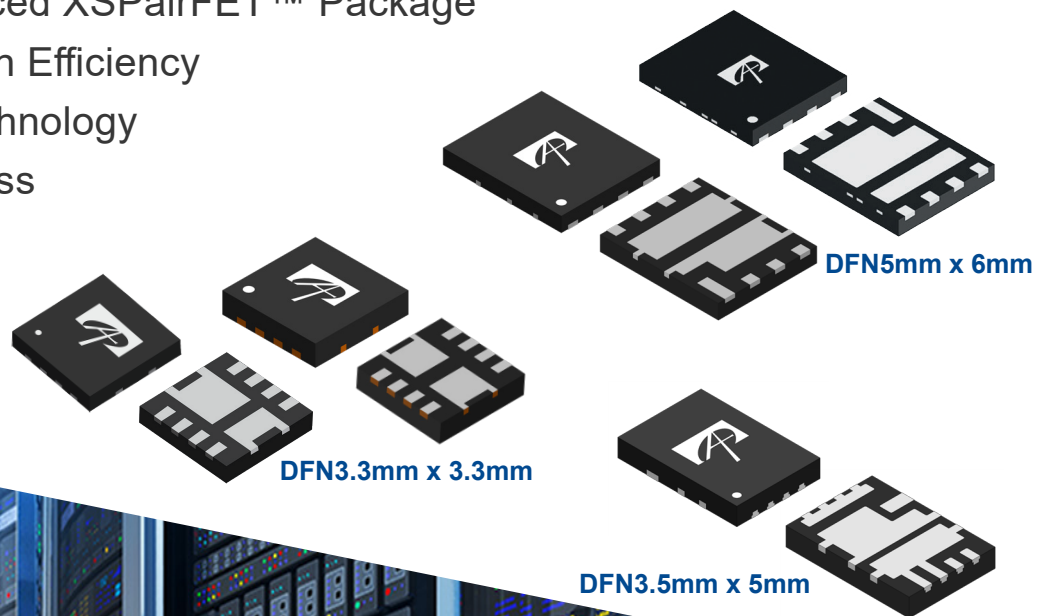




High-Efficiency DC/DC and Buck-Boost MOSFETs

- Thermally Enhanced XSPairFET™ Package
- Optimized for High Efficiency
- Latest Silicon Technology
- Low Switching Loss



LV MOSFETs



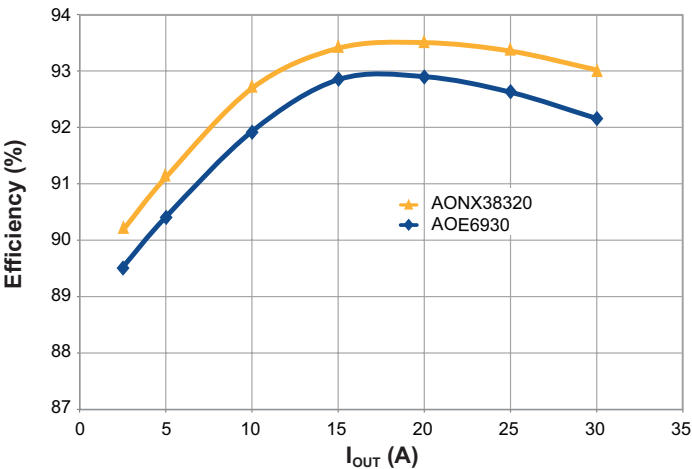
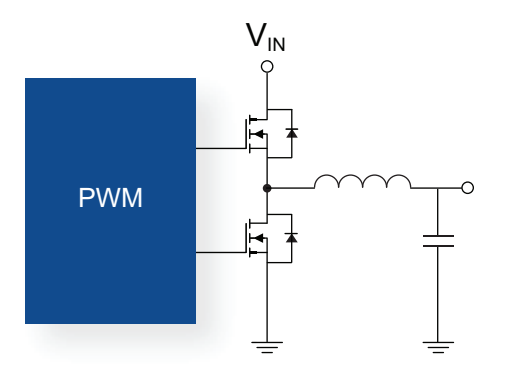
DC/DC XSPairFET™

Features

- Excellent FOM ($R_{DS(ON)} \times Q_g$)
- High Efficiency
- RoHS and Halogen-Free compliant

Applications

- DC/DC converters in computing, servers, and POL
- Non-isolated DC/DC converters in telecom and industrial



DC/DC Product Selection Table

Part Number	Package	Configuration	V_{DS} (V)	V_{GS} ($\pm V$)	$R_{DS(ON)}$ (m Ω max) @ $V_{GS} = 10V$	$R_{DS(ON)}$ (m Ω max) @ $V_{GS} = 4.5V$
AONX38168	DFN5x6E	High Side	25	12	3.6	5.0
		Low Side	25	12	0.85	1.15
AONE36132	DFN3.3x3.3A	High Side	25	12	4.6	6.0
		Low Side	25	12	1.4	1.7
AONE38132	DFN3.3x3.3A	High Side	25	12	3.43	4.86
		Low Side	25	12	1.12	1.52
AONX36324	DFN5x6E	High Side	30	20	4.95	7.95
		Low Side	30	20	1.95	3
AONX36322	DFN5x6E	High Side	30	20	4.95	7.95
		Low Side	30	12	1.35	1.75
AONX36320	DFN5x6E	High Side	30	20	4.25	6.95
		Low Side	30	12	0.82	1.04
AONX38320	DFN5x6E	High Side	30	16	3.2	5.0
		Low Side	30	12	0.85	1.05
AONG36322	DFN3.5x5	High Side	30	20	4.50	8
		Low Side	30	12	1.30	1.75

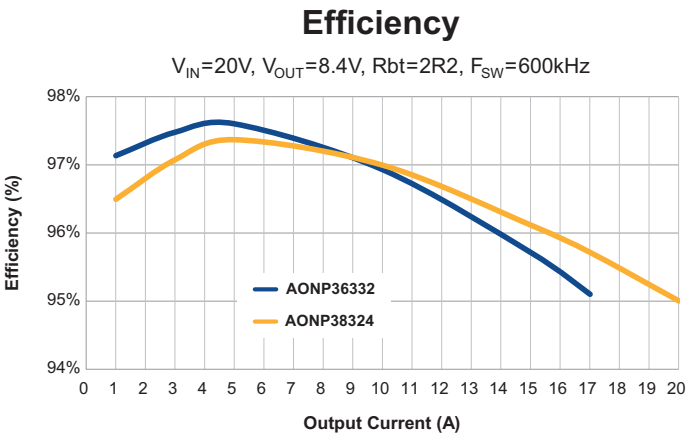
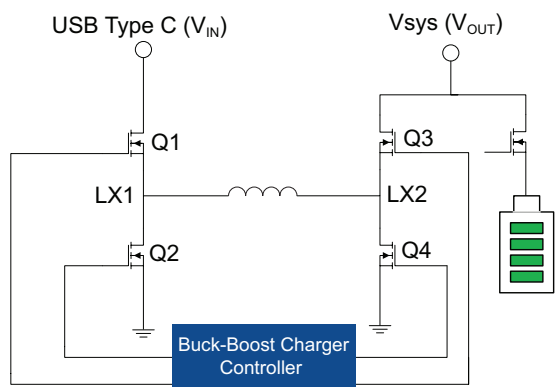
Buck-Boost XSPairFET™

Features

- Excellent FOM ($R_{DS(ON)} \times Q_g$)
- High Efficiency
- RoHS and Halogen-Free compliant

Applications

- Buck-Boost converter
- USB PD3.0/PD3.1 charger



Buck-Boost Product Selection Table

Part Number	Package	Configuration	V_{DS} (V)	V_{GS} ($\pm V$)	$R_{DS(ON)}$ (m Ω max) @ $V_{GS}=10V$	$R_{DS(ON)}$ (m Ω max) @ $V_{GS}=4.5V$
AONP36336	DFN3.3x3.3	High Side	30	12	4.7	5.7
		Low Side			5.8	7.3
AONP36320	DFN3.3x3.3	High Side	30	20	3.2	3
		Low Side			5.2	5
AONP36332	DFN3.3x3.3	High Side	30	12	3.7	4.7
		Low Side			4.7	5.9
AONP38324	DFN3.3x3.3	High Side	30	12	2.4	2.9
		Low Side			2.3	2.9
AONZ66412	DFN5x6	High Side	40	20	2.6	3.8
		Low Side			2.6	3.8

LV MOSFETs | High-Efficiency DC/DC and Buck-Boost



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