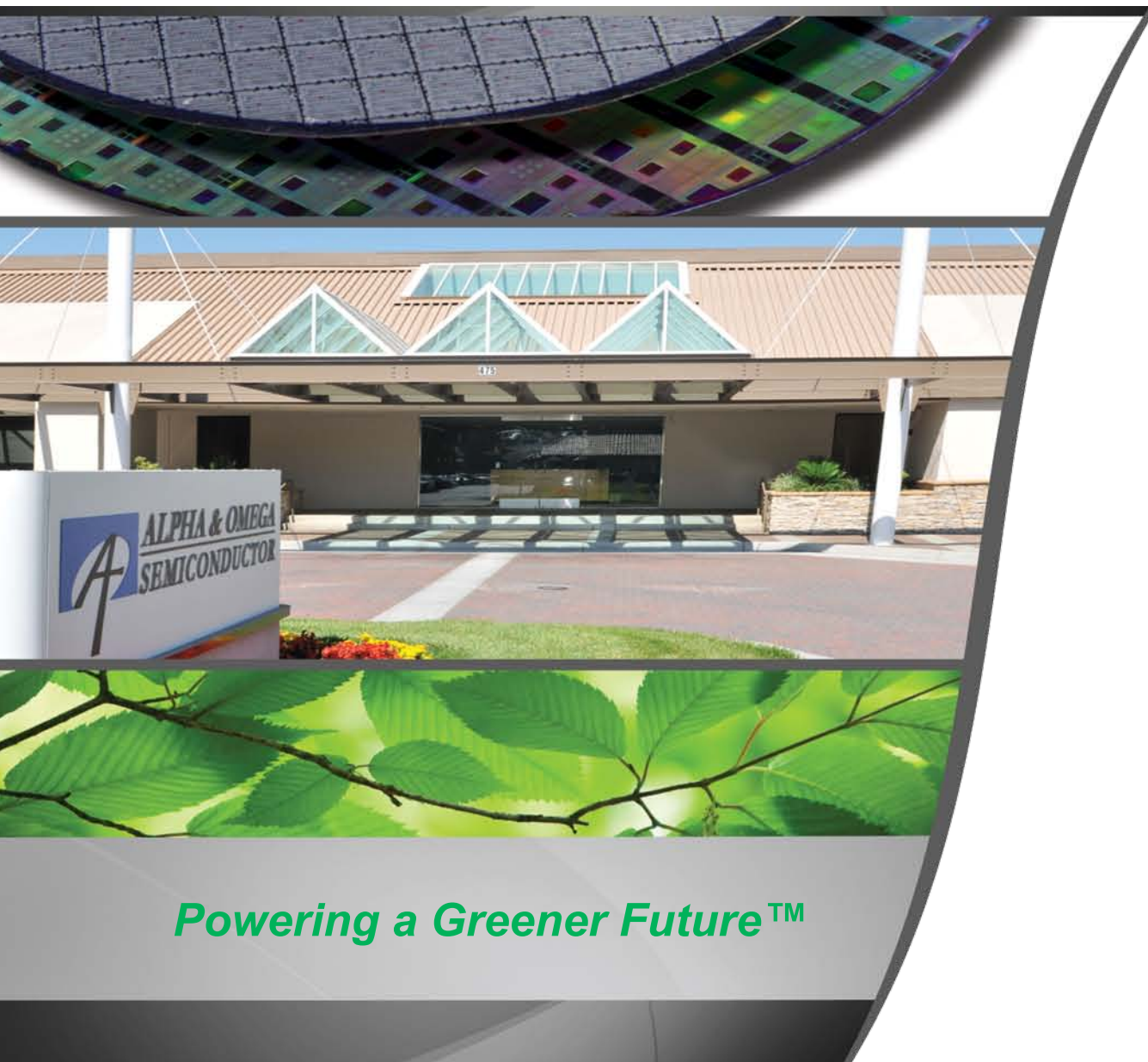


Selector Guide

Q1 2012

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CORPORATE OVERVIEW

Alpha and Omega Semiconductor Limited (AOS) is a designer, developer and global supplier of a broad range of power semiconductors, including a wide portfolio of Power MOSFET and Power IC products. AOS seeks to differentiate itself by integrating its expertise in device physics, process technology, design and advanced packaging to optimize product performance and cost. Its product portfolio is designed to meet the ever increasing power efficiency requirements in high volume applications, including desktop and portable computers, servers, flat panel TVs, battery packs, smart phones, motor control systems and power supplies.



MARKET SEGMENTS					
	Computing	Consumer	Communications	Ultra Portables	Industrial / Power Supplies
APPLICATIONS	<ul style="list-style-type: none"> ■ Notebooks ■ Netbooks ■ Desktops ■ Nettops ■ Servers 	<ul style="list-style-type: none"> ■ LCD TVs ■ Blu-ray Players ■ Digital Photo Frames ■ Portable DVDs ■ Game Players 	<ul style="list-style-type: none"> ■ Routers ■ Modems ■ Set Top Boxes 	<ul style="list-style-type: none"> ■ Cell Phones ■ Portable Navigation Devices ■ Digital Still Cameras 	<ul style="list-style-type: none"> ■ ATX Power Supplies ■ AC Adapters ■ LED Lighting ■ eBikes
KEY PRODUCTS	<ul style="list-style-type: none"> ■ SRFET DC-DC MOSFETs ■ USB ESD Protection ■ MOSFET Power Switches ■ Smart Load Switches 	<ul style="list-style-type: none"> ■ DC-DC Regulators ■ Backlight Inverter MOSFETs ■ HDMI ESD Protection 	<ul style="list-style-type: none"> ■ DC-DC Regulators ■ TVS ESD Protection ■ Smart Load Switches 	<ul style="list-style-type: none"> ■ TVS Diode Arrays ■ EMI Filters ■ Smart Load Switches ■ Analog Switches ■ Li Ion Battery Protection ICs 	<ul style="list-style-type: none"> ■ High Voltage DC-DC MOSFETs ■ Medium Voltage MOSFETs for Synchronous Rectification ■ Motor Control MOSFETs



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POWER ICs

AOS provides best-in-class power management solutions combining Power Discrete and IC technologies. The portfolio of products includes EZBuck™ Step-down DC/DC regulators, EZBoost™ Step-up DC/DC regulators, linear regulators, EZPower™ smart load switches and Analog Switches. AOS' approach is to provide high power density solutions to reduce design complexity and development time.

DC-DC Buck Regulators – Non Synchronous EZBuck™ Family

Part Number	Description	Integrated Schottky	Soft Start	Product Type	Package	Min V _{IN} (V)	Max V _{IN} (V)	Max I _{OUT} (A)	Min V _{OUT} (V)	Max V _{OUT} (V)	Operating Freq. (kHz)
AOZ1015AI	1.5 A EZBuck Regulator	Yes	Internal - 2.2 ms	Buck	SO-8	4.5	16	1.5	0.8	15	500
AOZ1016AI	2 A EZBuck Regulator	Yes	Internal - 2.2 ms	Buck	SO-8	4.5	16	2	0.8	15	500
AOZ1016AIL	2 A EZBuck Regulator	Yes	Internal - 2.2 ms	Buck	SO-8	4.5	18	2	0.8	15	500
AOZ1017AI	3 A EZBuck Regulator	No	Internal - 2.2 ms	Buck	SO-8	4.5	16	3	0.8	15	500
AOZ1017AIL	3 A EZBuck Regulator	No	Internal - 2.2 ms	Buck	SO-8	4.5	18	3	0.8	15	500
AOZ1019AI	2 A EZBuck Regulator	No	Internal - 4 ms	Buck	SO-8	4.5	16	2	0.8	15	500
AOZ1056AI	2 A EZBuck Regulator	Yes	External - Programmable	Buck	SO-8	4.5	16	2	0.8	15	340
AOZ1057AI	3 A EZBuck Regulator	No	External - Programmable	Buck	SO-8	4.5	16	3	0.8	15	340
AOZ1081AI	1.8 A EZBuck LED Driver	Yes	Internal - 1.1 ms	Buck	SO-8	4.5	16	1.8	0.25	15	1000
AOZ1083CI	1.2 A EZBuck LED Driver	No	Internal - 0.4 ms	Buck	SOT-23	3	26	1.2	0.28	23	1500
AOZ1092DI	3 A EZBuck Regulator	Yes	Internal - 2.2 ms	Buck	DFN 5x4	4.5	16	3	0.8	15	500
AOZ1094AI	5 A EZBuck Regulator	No	Internal - 3 ms	Buck	SO-8	4.5	16	5	0.8	15	500
AOZ1094DI	5 A EZBuck Regulator	No	Internal - 3 ms	Buck	DFN 5x4	4.5	16	5	0.8	15	500
AOZ1210AI	2 A, 4.5 V to 27 V EZBuck Regulator	No	Internal - 4 ms	Buck	SO-8	4.5	27	2	0.8	22	370
AOZ1212AI	3 A, 4.5 V to 27 V EZBuck Regulator	No	Internal - 4 ms	Buck	SO-8	4.5	27	3	0.8	22	370
AOZ1212DI	3 A, 4.5 V to 27 V EZBuck Regulator	No	Internal - 4 ms	Buck	DFN 5x4	4.5	27	3	0.8	22	370
AOZ1240AI	2 A, 4.5 V to 32 V EZBuck Regulator	No	Internal - 6 ms	Buck	SO-8	4.5	32	2	0.8	25	370
AOZ1242AI	3 A, 4.5 V to 32 V EZBuck Regulator	No	Internal - 6 ms	Buck	SO-8	4.5	32	3	0.8	25	370
AOZ1242DI	3 A, 4.5 V to 32 V EZBuck Regulator	No	Internal - 6 ms	Buck	DFN 5x4	4.5	32	3	0.8	25	370
AOZ1280CI	1.2 A, 3 V to 26 V EZBuck Regulator	No	Internal - 0.4 ms	Buck	SOT-23	3	26	1.2	0.8	23	1500
AOZ1281DI	1.8 A, 3 V to 26 V EZBuck Regulator	No	Internal - 0.4 ms	Buck	DFN 2x2	3	26	1.8	0.8	23	1500

DC-DC Buck Regulators – Synchronous EZBuck™ Family

Part Number	Description	PGOOD	Soft Start	Product Type	Package	Min V _{IN} (V)	Max V _{IN} (V)	Max I _{OUT} (A)	Min V _{OUT} (V)	Max V _{OUT} (V)	Operating Freq. (kHz)
AOZ1020AI	2 A EZBuck Regulator with PGOOD	Yes	Internal - 4 ms	Buck	SO-8	4.5	16	2	0.8	15	500
AOZ1021AI	3 A EZBuck Regulator	No	Internal - 5 ms	Buck	SO-8	4.5	16	3	0.8	15	500
AOZ1022DI	3 A EZBuck Regulator with PGOOD	Yes	Internal - 5 ms	Buck	DFN 5x4	4.5	16	3	0.8	15	500
AOZ1022DI-1	3 A EZBuck Regulator with PGOOD	Yes	Internal - 5 ms	Buck	DFN 5x4	4.5	16	3	0.8	15	500
AOZ1024DI	4 A EZBuck Regulator	No	Internal - 5 ms	Buck	DFN 5x4	4.5	16	4	0.8	15	500
AOZ1025DI	8 A EZBuck Regulator with PGOOD	Yes	Internal - 4 ms	Buck	DFN 5x4	4.5	16	8	0.8	15	500
AOZ1031AI	3 A EZBuck Regulator with Light Load Mode	No	Internal - 5 ms	Buck	SO-8	4.5	18	3	0.8	17	600
AOZ1033AI	3 A EZBuck Regulator with Light Load Mode	No	Internal - 5 ms	Buck	SO-8	4.5	18	3	0.8	17	600
AOZ1034DI	4 A EZBuck Regulator with Light Load Mode	No	Internal - 3 ms	Buck	DFN 5x4	4.5	18	4	0.8	17	500
AOZ1034PI	4 A EZBuck Regulator with Light Load Mode	No	Internal - 3 ms	Buck	Exposed Pad SO-8	4.5	18	4	0.8	17	500
AOZ1036DI	5 A EZBuck Regulator with Light Load Mode	No	Internal - 3 ms	Buck	DFN 5x4	4.5	18	5	0.8	17	500
AOZ1036PI	5 A EZBuck Regulator with Light Load Mode	No	Internal - 3 ms	Buck	Exposed Pad SO-8	4.5	18	5	0.8	17	500
AOZ1037PI	5 A EZBuck Regulator with PGOOD	Yes	Internal - 3 ms	Buck	Exposed Pad SO-8	4.5	18	5	0.8	17	500
AOZ1038DI	6 A EZBuck Regulator with Light Load Mode	No	Internal - 3 ms	Buck	DFN 6x5	4.5	18	6	0.8	17	500
AOZ1038DI-1	NEW 6 A EZBuck Regulator	No	Internal - 6 ms	Buck	DFN 6x5	4.5	18	6	0.8	15	450
AOZ1038PI	6 A EZBuck Regulator with Light Load Mode	No	Internal - 3 ms	Buck	Exposed Pad SO-8	4.5	18	6	0.8	17	500
AOZ1039DI	NEW 8 A EZBuck Regulator	No	Internal - 6 ms	Buck	DFN 5x6	4.5	18	8	0.8	1.2	450
AOZ1050PI	2 A EZBuck Regulator with External Soft-Start	No	External - Programmable	Buck	Exposed Pad SO-8	4.5	18	2	0.8	17	500
AOZ1051PI	3 A EZBuck Regulator with External Soft-Start	No	External - Programmable	Buck	Exposed Pad SO-8	4.5	18	3	0.8	17	500
AOZ1110QI	4 A EZBuck Regulator with PGOOD	Yes	External - Programmable	Buck	QFN 4x4	2.7	5.5	4	0.8	5	1000/500
AOZ1231QI-01	4 A COT EZBuck Regulator	Yes	Internal - Programmable	Buck	QFN 5x5	4.5	28	4	0.8	0.85	Adjustable
AOZ1232QI-01	NEW 6 A COT EZBuck Regulator	Yes	External - Programmable	Buck	QFN 5x5	2.7	28	6	0.8	24	Adjustable
AOZ1233QI-01	NEW 8 A COT EZBuck Regulator	Yes	External - Programmable	Buck	QFN 5x5	2.7	28	8	0.8	24	Adjustable
AOZ1605DI	500 mA 3 MHz Sync Buck with Light Load Mode	No	Internal	Buck	DFN 2x2	2.7	5.5	0.5	0.6	5	3000
AOZ1615DI	NEW 1.5 A 3 MHz Sync Buck Regulator	No	Internal - 0.7 ms	Buck	DFN 2x3	2.5	5.5	1.5	0.6	5.5	3000

DC-DC Boost Regulators – EZBoost™ Family

Part Number	Description	Integrated Schottky	Product Type	Package	Min V _{IN} (V)	Max V _{IN} (V)	I _{SWITCH CURRENT LIMIT} (A)	Min V _{OUT} (V)	Max V _{OUT} (V)	Operating Freq. (kHz)
AOZ1905DI	2.7 V to 5.5 V EZBoost Regulator	No	Boost	DFN 3x3	2.7	5.5	2 A	Vin*1.2	24	600 kHz / 1.2 MHz
AOZ1905FI	2.7 V to 5.5 V EZBoost Regulator	No	Boost	MSOP-8	2.7	5.5	2 A	Vin*1.2	24	600 kHz / 1.2 MHz
AOZ1915DI	2.7 V to 5.5 V EZBoost Regulator	No	Boost	DFN 4x3	2.7	5.5	2 A	Vin*1.2	26	600 kHz / 1.2 MHz
AOZ1935QI	2.7 V to 25 V Boost 30-LED Driver	No	Boost	QFN 3x3	2.7	25	Null	Vin*1.2	44	800
AOZ1950DI	LED EZBoost Driver	No	Boost	DFN 3x3	2.7	5.5	750	Vin*1.2	57	Fixed off time
AOZ1960DI	7 V to 24 V Multi-String Boost White LED Driver	No	Boost	DFN 7x4	7	24	Null	Vin*1.2	55	200 kHz to 2 MHz
AOZ1977AI	High Voltage Boost LED Driver Controller	No	Boost	SO-16	8	Null	Null	Null	Null	Adjustable
AOZ1977AI-1	NEW High Voltage Boost LED Driver Controller	No	Boost	SO-16	8	Null	Null	Null	Null	Adjustable
AOZ1978AI	NEW High Voltage Boost LED Driver Controller	No	Boost	SO-20	8	Null	Null	Null	Null	200

Multiple Output Regulator Family

Part Number	Description	Number of Outputs	DC/DC Product Type	Package	Min V _{IN} (V)	Max V _{IN} (V)	Max I _{OUT} (A)	Min V _{OUT} (V)	Max V _{OUT} (V)	Operating Freq. (kHz)
AOZ1213DI	3 A EZBuck Regulator with 1 A LDO controller	2	Non-sync Buck	DFN 4x3	4.5	26	3 (Buck) 1 (LDO controller)	0.8	22	370
AOZ1214DI	3 A EZBuck Regulator with 1 A LDO controller with separate enables	2	Non-sync Buck	DFN 4x3	4.5	28	3 (Buck) 1 (LDO controller)	0.8	22	370

Smart Load Switches

Part Number	Description	V _{IN} (V)	Turn On Rise Time (T _r)	Channel	Enable	Current Limit	Fault Latch	R _{DS(ON)} (mOhm) (Typ)	Package
AOZ1310CI-1	NEW Single USB Load Switch	2.7 - 5.5	1.5 ms	1	Logic Low	0.75 A	No	80	SOT-23
AOZ1312AI-1	NEW Single USB Load Switch	2.7 - 5.5	1.5 ms	1	Logic Low	2 A	No	70	SO-8
AOZ1312EI-1	NEW Single USB Load Switch	2.7 - 5.5	1.5 ms	1	Logic Low	2 A	No	70	eMSOP
AOZ1320CI	Slew Rate Controlled Smart Load Switch	1.8 - 5.5	100 μs, 0.5 μs, 1 ms	1	CMOS/TTL Compatible	No	Yes	75	SOT-23
AOZ1320DI	Slew Rate Controlled Smart Load Switch	1.8 - 5.5	100 μs, 0.5 μs, 1 ms	1	CMOS/TTL Compatible	No	Yes	75	DFN 2x2
AOZ1321DI	Slew Rate Controlled Smart Load Switch	1.6 - 5.5	1 μs, 100 μs, 800 μs	1	CMOS/TTL Compatible	No	Yes	60	DFN 1.2x1.6
AOZ1325DI	Dual Slew Rate Controlled Smart Load Switch	1.6 - 5.5	1 ms	2	CMOS/TTL Compatible	No	Yes	150	DFN 3x3
AOZ1341AI	Dual USB Load Switch	2.7 - 5.5	1.5 ms	2	Logic Low	1.5 A	No	70	SO-8
AOZ1341AI-1	Dual USB Load Switch	2.7 - 5.5	1.5 ms	2	Logic High	1.5 A	No	70	SO-8
AOZ1341EI	Dual USB Load Switch	2.7 - 5.5	1.5 ms	2	Logic Low	1.5 A	No	70	eMSOP
AOZ1341EI-1	Dual USB Load Switch	2.7 - 5.5	1.5 ms	2	Logic High	1.5 A	No	70	eMSOP
AOZ1342PI	NEW Dual USB Load Switch	2.7 - 5.5	1.5 ms	2	Logic Low	2 A	No	70	Exposed Pad SO-8
AOZ1342PI-1	NEW Dual USB Load Switch	2.7 - 5.5	1.5 ms	2	Logic High	2 A	No	70	Exposed Pad SO-8
AOZ1360AI	EZPower™ Protected Smart Load Switch	5.5 - 28	Adjustable	1	CMOS/TTL Compatible	Adjustable	Yes	35	SO-8
AOZ1360DI	EZPower™ Protected Smart Load Switch	5.5 - 28	Adjustable	1	CMOS/TTL Compatible	Adjustable	Yes	35	DFN 4x4
AOZ1361DI	EZPower™ Protected Smart Load Switch	5.5 - 28	Adjustable	1	CMOS/TTL Compatible	Adjustable	Yes	35	DFN 4x4

DrMOS Power Modules

Part Number	Min V	Max V	Max Current	PWM Logic	Package
AOZ5006QI	4.5	16	30	5 V	QFN-40: 6x6
AOZ5006QI-01	4.5	16	30	3.3 V	QFN-40: 6x6
AOZ5007QI	NEW 4.5	27	50	5 V	QFN-40: 6x6
AOZ5007QI-01	NEW 4.5	27	50	3.3 V	QFN-40: 6x6

Analog Switches

Part Number	Description	On Resistance R_{ON} (Typ.) at 2.7V	On Resistance Flatness $R_{FLAT(ON)}$ (Max) at 2.7V	Supply Voltage Range V_{CC}	Total Harmonic Distortion THD (Typ.)%	Package
AOZ6115CI	Single SPST	1.5 Ω at 4.5 V	0.25 Ω at 4.5 V	1.65 V to 5.5 V	0.005 %	SOT-23
AOZ6115HI	Single SPST	1.5 Ω at 4.5 V	0.25 Ω at 4.5 V	1.65 V to 5.5 V	0.005 %	SC-70
AOZ6135HI	Single SPDT	0.6 Ω at 4.5 V	0.25 Ω at 4.5 V	1.65 V to 5.5 V	0.005 %	SC-70
AOZ6232QI	Dual SPDT	0.25 Ω	0.15 Ω	1.65 V to 3.3 V	0.024 %	QFN10: 2.1x1.6mm
AOZ6233QI	Dual SPDT	0.35 Ω	0.15 Ω	1.65 V to 3.3 V	0.024 %	QFN10: 2.1x1.6mm
AOZ6234QI	Dual SPDT	0.25 Ω	0.15 Ω	2.3 V to 4.3 V	0.024 %	QFN10: 2.1x1.6mm
AOZ6237QI	Dual SPDT	0.40 Ω	0.15 Ω	1.65 V to 4.3 V	0.024 %	QFN10: 1.8x1.4mm, 0.4mm pitch
AOZ6238QI	Dual SPDTwith I/O termination	0.40 Ω	0.15 Ω	1.65 V to 4.3 V	0.024 %	QFN10: 1.8x1.4mm, 0.4mm pitch
AOZ6274QI	Dual DPDT	0.40 Ω	0.15 Ω	1.65 V to 4.3 V	0.024 %	QFN16: 3x3mm

High-Speed USB Switches

Part Number	Description	On Resistance R_{ON} (Typ.) at 3.6V	On Capacitance $C_{(ON)}$ (Typ.) at 3.3V	Supply Voltage Range V_{CC}	-dB Bandwidth Hz (Typ.)	Package
AOZ6184QT	High Speed (USB3.0) DPDT; Bandwidth 1.1 GHz	8.0 Ω	3.6 Ω	1.65 V to 4.5 V	1.1 G	QFN10: 1.4x1.8mm, 0.4mm pitch
AOZ6185QT	High Speed (USB2.0) DPDT w/Flat R_{ON} Bandwidth 990 MHz	7.2 Ω	1.9 Ω	1.65 V to 4.5 V	990 M	QFN10: 1.4x1.8mm, 0.4mm pitch
AOZ6186QT	High Speed (USB3.0) DPDT; Bandwidth 960 MHz	7.0 Ω	5.0 Ω	1.65 V to 4.5 V	960 M	QFN10: 1.4x1.8mm, 0.4mm pitch

TRANSIENT VOLTAGE SUPPRESSORS (TVS)

AOS provides a family of ultra-low capacitance Transient Voltage Suppressor (TVS), EMI Filtering, and Diode Array products that are designed for ESD protection of high speed interfaces like HDMI1.3, USB2.0, IEEE1394, SATA and Gigabit Ethernet ports. These products may be used to meet the ESD immunity requirement of IEC61000-4-2, Level 4 for mobile, digital consumer, networking, and computing applications.

High Current Surge TVS

Part Number	Description	IEC 61000-4-2 (ESD)		Protected Lines	Reverse Working Voltage V_{RWM} Max	IEC 61000-4-5 (Lightning)	Channel Input Capacitance I/O - GND Typ.	Channel Clamp Voltage (Ipp = 5A) V_{CL} Max.	Package
		Contact	Air						
AOZ8001JI-12	Ultra-Low Capacitance TVS Diode Array	± 30 kV	± 30 kV	2	12 V	15 A	1.10 pF	11.0 V	SOT-143
AOZ8202CI-12	One Line Bidirectional TVS Diode	± 30 kV	± 30 kV	1	12 V	15 A	62 pF	19.0 V	SOT-23
AOZ8302CI-12	Two Line TVS Diode Array	± 30 kV	± 30 kV	2	12 V	24 A	25 pF	19.0 V (Ipp = 15 A)	SOT-23
AOZ8302CI-05	Two Line TVS Diode Array	± 30 kV	± 30 kV	2	5 V	32 A	25 pF	14.0 V (Ipp = 15 A)	SOT-23
AOZ8304DI	Ultra-Low Capacitance TVS Diode Array	± 24 kV	± 24 kV	4	3.3 V	25 A	3.5 pF	7.0 V	DFN 2.6x2.6

Ultra-Low Capacitance TVS

Part Number	Description	IEC 61000-4-2 (ESD)		Protected Lines	Reverse Working Voltage V_{RWM} Max	Channel Input Capacitance		Channel Clamp Voltage (Ipp=5A) V_{CL} Max.	Package
		Contact	Air			I/O - I/O Typ.	I/O - GND Typ.		
AOZ8000CI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4	5.5 V	0.9 pF	1.0 pF	11.0 V	SOT-23
AOZ8000HI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4	5.5 V	0.9 pF	1.0 pF	11.0 V	SC-70
AOZ8001A-05	Ultra-Low Capacitance TVS Diode Array	± 30 kV	± 30 kV	2	5.5 V	0.1 pF	2.5 pF	15.0 V	SOT-143
AOZ8001A-12	Ultra-Low Capacitance TVS Diode Array	± 30 kV	± 30 kV	2	12.5 V	0.1 pF	2.5 pF	18.0 V	SOT-143
AOZ8001DI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	2	5.5 V	0.9 pF	1.0 pF	11.0 V	DFN 1.6x1.6
AOZ8001JI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	2	5.5 V	0.9 pF	1.0 pF	11.0 V	SOT-143
AOZ8002DI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4	5.5 V	0.9 pF	1.0 pF	12.0 V	DFN 1.6x1.6
AOZ8102DI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4	5.5 V	0.9 pF	1.0 pF	12.0 V	DFN 1.6x1.6
AOZ8105CI	Ultra-Low Capacitance TVS Diode Array w/ Blocking Diode	± 24 kV	± 30 kV	4	5.5 V	0.43 pF	0.8 pF	16.0 V	SOT-23
AOZ8802ADI	Ultra-Low Capacitance TVS Diode Array	± 15 kV	± 15 kV	2	5.0 V	0.3 pF	0.6 pF	16.5 V	DFN 1.6x1.0
AOZ8804ADI	Ultra-Low Capacitance TVS Diode Array	± 15 kV	± 15 kV	4	5.0 V	0.3 pF	0.6 pF	16.5 V	DFN 2.5x1.0
AOZ8808DI-03	NEW Ultra-Low Capacitance TVS Diode Array	± 15 kV	± 15 kV	4	3.3 V	0.3 pF	0.6 pF	5.0 V	DFN 2.5x1.0
AOZ8808DI-05	NEW Ultra-Low Capacitance TVS Diode Array	± 15 kV	± 15 kV	4	5.0 V	0.3 pF	0.6 pF	6.0 V	DFN 2.5x1.0
AOZ8818DI-05	NEW Ultra-Low Capacitance TVS Diode Array	± 15 kV	± 15 kV	4	5.0 V	0.3 pF	0.3 pF	10.0 V	DFN 2.5x1.0
AOZ8904CIL	Ultra-Low Capacitance TVS Diode Array	± 24 kV	± 24 kV	4	5.5 V	0.9 pF	1.25 pF	14.0 V	SOT-23
AOZ8905CI	Ultra-Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4	5.0 V	0.35 pF	0.7 pF	22.0 V	SOT-23

Diode Arrays

Part Number	Description	IEC 61000-4-2 (ESD)		Protected Lines	Reverse Working Voltage V_{RWM} Max	Channel Input Capacitance I/O - GND Typ.	Channel Clamp Voltage (I _{pp} = 15 A) V_{CL} Max.	Package
		Contact	Air					
AOZ8131DI	Ultra-Low Capacitance Bidirectional Single Diode	± 24 kV	± 24 kV	1	5.0 V	1.25 pF	20.0 V	DFN1006
AOZ8203CI-03	Two Line Diode Array	± 30 kV	± 30 kV	2	3.3 V	15 pF	12.0 V	SOT-23
AOZ8203CI-05	Two Line Diode Array	± 30 kV	± 30 kV	2	5.0 V	15 pF	17.0 V	SOT-23
AOZ8203CI-12	Two Line Diode Array	± 30 kV	± 30 kV	2	12.0 V	15 pF	22.0 V	SOT-23
AOZ8204DI	Low Capacitance Diode Arrays	± 30 kV	± 30 kV	4	5.0 V	15 pF	7.0 V	DFN 1.6x1.6
AOZ8205DI	Low Capacitance Diode Arrays	± 30 kV	± 30 kV	5	5.0 V	15 pF	7.0 V	DFN 1.6x1.6
AOZ8206DI	Low Capacitance Diode Arrays	± 20 kV	± 20 kV	6	5.0 V	17 pF	9.0 V	DFN 1.6x1.6
AOZ8208DI	Low Capacitance Diode Arrays	± 28 kV	± 28 kV	8	5.0 V	17 pF	9.0 V	DFN 1.8x1.2
AOZ8211DI-02	Low Capacitance Unidirectional Single Diode	± 28 kV	± 28 kV	1	2.5 V	11 pF	10.0 V	DFN1004
AOZ8211DI-03	Low Capacitance Unidirectional Single Diode	± 28 kV	± 28 kV	1	3.3 V	11 pF	10.0 V	DFN1005
AOZ8211DI-05	Low Capacitance Unidirectional Single Diode	± 28 kV	± 28 kV	1	5.0 V	16 pF	10.0 V	DFN1006
AOZ8211DI-12	Low Capacitance Unidirectional Single Diode	± 28 kV	± 28 kV	1	12.0 V	30 pF	21.0 V	DFN1006
AOZ8211DI-24	Low Capacitance Unidirectional Single Diode	± 18 kV	± 15 kV	1	24.0 V	20 pF	37.0 V	DFN1006
AOZ8212CI-05	Low Capacitance Bidirectional Diode Arrays	± 30 kV	± 30 kV	2	5.0 V	3.5 pF	15.0 V	SOT-23
AOZ8222DI-05	Low Capacitance Diode Arrays	± 20 kV	± 20 kV	2	5.0 V	15 pF	15.0 V	DFN1006
AOZ8224CI-05	Bidirectional Diode Arrays	± 30 kV	± 30 kV	4	5.0 V	13 pF	17.0 V	SOT-23
AOZ8231ADI-02	Low Capacitance Bidirectional Single Diode	± 30 kV	± 30 kV	1	2.5 V	5.5 pF	13.5 V	DFN1004
AOZ8231ADI-03	Low Capacitance Bidirectional Single Diode	± 30 kV	± 30 kV	1	3.3 V	5.5 pF	14.5 V	DFN1005
AOZ8231ADI-05	Low Capacitance Bidirectional Single Diode	± 30 kV	± 30 kV	1	5.0 V	13 pF	16.0 V	DFN1006
AOZ8231ADI-12	Low Capacitance Bidirectional Single Diode	± 30 kV	± 30 kV	1	12.0 V	13 pF	27.0 V	DFN1006
AOZ8234DI	NEW Four Line Diode Array	± 18 kV	± 18 kV	4	5.0 V	13.5 pF	8.0 V	DFN1.45x1.0
AOZ8235DI	NEW Five Line Diode Array	± 18 kV	± 18 kV	5	5.0 V	13.5 pF	8.0 V	DFN1.45x1.0
AOZ8251DI	NEW One-line Bidirectional TVS Diode	± 25 kV	± 30 kV	1	5.0 V	8 pF	19.5 V	DFN0603
AOZ8811DI	Ultra-Low Capacitance Single Diode	± 8 kV	± 15 kV	1	5.0 V	0.50 pF	23.0 V	DFN1006
AOZ8831DI	Ultra-Low Capacitance Bidirectional Single Diode	± 8 kV	± 15 kV	1	5.0 V	0.35 pF	23.0 V	DFN1006
AOZ8851DI-05	Ultra-Low Capacitance Bidirectional Single Diode	± 8 kV	± 15 kV	1	5.0 V	0.35 pF	23.0 V	DFN0603

EMI Filters

Part Number	Filter Type	Description	IEC 61000-4-2 (ESD)		Protected Lines	Reverse Working Voltage V_{RWM} Max	EMI Filter Performance		Channel Clamp Voltage ($I_{pp} = 12A$) V_{CL} Max.	Package
			Contact	Air			Cut-Off Freq Typ.	Insertion Loss Typ.		
AOZ8010	RC	8-Line EMI Filter with Integrated ESD Protection	± 18 kV	± 18 kV	8	5.0 V	90 MHz	-35 dB attenuation from 800 MHz to 2.2 GHz	9.5 V	DFN 4x1.6
AOZ8011	RC	8-Line EMI Filter with Integrated ESD Protection	± 17 kV	± 17 kV	8	5.0 V	125 MHz	-25dB attenuation from 800 MHz to 3.0 GHz	8.5 V	DFN 4x1.6
AOZ8013	RC	4-Line EMI Filter with Integrated ESD Protection	± 18 kV	± 18 kV	4	5.0 V	90 MHz	-35 dB attenuation from 800 MHz to 2.2 GHz	9.5 V	DFN 2x2
AOZ8014	RC	4-Line EMI Filter with Integrated ESD Protection	± 17 kV	± 17 kV	4	5.0 V	125 MHz	-25 dB attenuation from 800 MHz to 3.0 GHz	8.5 V	DFN 2x2
AOZ8015	RC	6-Line EMI Filter with Integrated ESD Protection	± 17 kV	± 17 kV	6	5.0 V	100 MHz	-30 dB attenuation from 800 MHz to 3.0 GHz	11.0 V	DFN 3x1.35
AOZ8020	RC	8-Line Low Cap EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	8	5.0 V	250 MHz	-20 dB attenuation from 1 GHz to 3.0 GHz	9.5 V	DFN 4x1.6
AOZ8025	RC	6-Line Low Cap EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	6	5.0 V	250 MHz	-20 dB attenuation from 1 GHz to 3.0 GHz	11.0 V	DFN 3x1.35
AOZ8030	RC	8-Line EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	8	5.0 V	90 MHz	-35 dB attenuation from 800 MHz to 3.0 GHz	9.5 V	DFN 3.5x1.2, 0.4mm Pitch
AOZ8033	RC	4-Line EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	4	5.0 V	90 MHz	-35 dB attenuation from 800 MHz to 3.0 GHz	9.5 V	DFN 1.8x1.2, 0.4mmPitch
AOZ8035	RC	6-Line EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	6	5.0 V	100 MHz	-30 dB attenuation from 800 MHz to 3.0 GHz	11.0 V	DFN 2.5x1.2, 0.4mmPitch
AOZ8040	RC	8-Line Low cap EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	8	5.0 V	250 MHz	-20 dB attenuation from 1 GHz to 3.0 GHz	9.5 V	DFN 3.5x1.2, 0.4mm Pitch
AOZ8043	RC	4-Line Low cap EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	4	5.0 V	250 MHz	-20 dB attenuation from 1 GHz to 3.0 GHz	9.5 V	DFN 1.8x1.2, 0.4mmPitch
AOZ8045	RC	6-Line Low Cap EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	6	5.0 V	250 MHz	-20 dB attenuation from 1 GHz to 3.0 GHz	11.0 V	DFN 2.5x1.2, 0.4mmPitch
AOZ8070	RC	8-Line Low Cap EMI Filter with Integrated ESD Protection	± 15 kV	± 15 kV	8	5.0 V	220 MHz	-20 dB attenuation from 700 MHz to 3.0 GHz	14.0 V	DFN 3.5x1.2, 0.4mm Pitch
AOZ8073	RC	4-Line Low Cap EMI Filter with Integrated ESD Protection	± 15 kV	± 15 kV	4	5.0 V	220 MHz	-20 dB attenuation from 700 MHz to 3.0 GHz	14.0 V	DFN 1.8x1.2, 0.4mmPitch
AOZ8075	RC	6-Line Low Cap EMI Filter with Integrated ESD Protection	± 15 kV	± 15 kV	6	5.0 V	220 MHz	-20 dB attenuation from 700 MHz to 3.0 GHz	14.0 V	DFN 2.5x1.2, 0.4mmPitch
AOZ8170	RC	8-Line Low Cap EMI Filter with Integrated ESD Protection	± 15 kV	± 15 kV	8	5.0 V	220 MHz	-20 dB attenuation from 700 MHz to 3.0 GHz	14.0 V	DFN 4x1.6
AOZ8175	RC	6-Line Low Cap EMI Filter with Integrated ESD Protection	± 15 kV	± 15 kV	6	5.0 V	220 MHz	-20 dB attenuation from 700 MHz to 3.0 GHz	14.0 V	DFN 3x1.35
AOZ8510	LC	8-Line EMI Filter with Integrated ESD Protection	± 18 kV	± 18 kV	8	5.0 V	200 MHz	-40 dB attenuation from 800 MHz to 3.0 GHz	10.0 V	DFN 4x1.6
AOZ8530	LC	8-Line EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	8	5.0 V	450 MHz	-25 dB attenuation from 800 MHz to 5.0 GHz	12.0 V	DFN 3.5x1.2, 0.4mm Pitch
AOZ8533	LC	4-Line EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	4	5.0 V	450 MHz	-25 dB attenuation from 800 MHz to 5.0 GHz	12.0 V	DFN 1.8x1.2, 0.4mmPitch
AOZ8535	LC	6-Line EMI Filter with Integrated ESD Protection	± 20 kV	± 20 kV	6	5.0 V	450 MHz	-25 dB attenuation from 800MHz to 5.0 GHz	12.0 V	DFN 2.5x1.2, 0.4mmPitch

MOSFETS & IGBTs

AOS pioneered the fab lite model in the Trench Power MOSFET field, developing leading-edge products that are exclusively manufactured in state-of-the-art 8-inch fabs. Advanced proprietary silicon and packaging processes are designed in AOS' U.S. headquarters and are then produced with its very efficient manufacturing model. Our product portfolio covers 12V to 1000V MOSFETs and will shortly add 600-1200V IGBTs.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
CSP																								
AOC2800	CSP	Single	Load Switch	N	No	No		30	12	6	1.3			42*	61*	1.5	984	57	9.1			320	3800	
AOC2802	CSP	Single	Load Switch	N	No	No		20	12	6	1.3			34*	54*	1.5	1000	114	10.4			284	5000	
AOC2411	NEW	CSP	Single	Load Switch	N	No	No	-30	12	-3.4	0.8			45*	60*	-1.4	1253	105	12.5*	3.2*	14	150		
SC-70																								
AO7400	SC-70-3	Single	General Purpose	N	No	No		30	12	1.7	1.3	0.35	0.22	55	65	85	1.4	135	18	4.7	1.6	3.5	17.5	
AO7410	SC-70-3	Single	General Purpose	N	No	No		30	12	1.6	1.3	0.35	0.22	90	100	175	1.8	226	29	3	1.2	2.8	17.4	
AO7412	SC-70-6	Single	General Purpose	N	No	No		30	12	2.1	1.7	0.625	0.4	90	100	160	1.8	226	29	3	1.2	2.8	17.4	
AO7414	SC-70-6	Single	General Purpose	N	No	No		20	8	2	1.5	0.35	0.22	62	70	85	1	260	27	2.9	0.6	2.5	21	
AO7408	SC-70-6	Single	General Purpose	N	No	No		20	8	2	1.5	0.35	0.22	62	75	85	1	260	27	2.9	0.6	2.5	21	
AO7402	SC-70-3	Single	General Purpose	N	No	No		20	8	1.6	1.2	0.35	0.22	90	105	130	0.8	458	54	6.05	1.45	7.3	40	
AO7404	SC-70-3	Single	General Purpose	N	Yes	No		20	8	1	0.75	0.35	0.22	225	290	425	0.8	101	14	1.57	0.36	3.2	15.5	
AO7411	SC-70-6	Single	General Purpose	P	No	No		-20	8	-1.8	-1.5	0.63	0.4	120	150	200	-0.1	560	70	8.5	2.1	7.2	53	
AO7415	SC-70-6	Single	General Purpose	P	Yes	No		-20	12	-2	-1.6	0.625	0.4	100	125	170	-1.4	512	62	4.9	3.7	11	34	
AO7407	SC-70-3	Single	General Purpose	P	No	No		-20	8	-1.2	-1	0.63	0.4	135	170	220	-1	560	70	8.5	2.1	7.2	53	
AO7413	SC-70-3	Single	General Purpose	P	Yes	No		-20	12	-1.4	-1.2	0.35	0.22	113	135	180	-1.4	512	62	4.9	3.7	11	34	
AO7403	SC-70-3	Single	General Purpose	P	Yes	No		-20	8	-0.7	-0.5	0.35	0.22	470	625	900	-0.9	114	14	1.44	0.35	6.5	18.2	
AO7401	SC-70-3	Single	General Purpose	P	No	No		-30	12	-1.2	-1	0.35	0.22	150	200	280	-1.4	409	42	5.06	1.58	6.2	41.2	
AO7405	SC-70-6	Single	General Purpose	P	No	No		-30	12	-1.4	-1	0.35	0.22	115	140	200	-1.4	260	20	2.8	1	6	20	
AO7800	SC-70-6	Dual	General Purpose	N	Yes	No		20	8	0.9	0.7	0.3	0.19	235	310	415	0.8	101	14	1.57	0.36	3.2	15.5	
AO7801	SC-70-6	Dual	General Purpose	P	No	No		-20	8	-0.6	-0.48	0.3	0.19	520	700	950	-0.9	114	14	1.44	0.35	6.5	18.2	
AO7600	SC-70-6	Complementary	Inverter	N	No	No		20	8	0.9	0.7	0.3	0.19	300	350	450	0.9	101	14	1.57	0.36	3.2	15.5	
AO7600	SC-70-6	Complementary	Inverter	P	No	No		-20	8	-0.6	-0.48	0.3	0.19	550	700	950	-0.9	114	14	1.44	0.35	6.5	18.2	
SC-89																								
AO5404E	SC-89-3	Single	Load Switch	N	Yes	No		20	8	0.5	0.5	0.38	0.24	550	680	800	1	35	6			4.5	78	
AO5401E	SC-89-3	Single	Load Switch	P	Yes	No		-20	8	-0.5	-0.45	0.38	0.24	800	1000	1300	-0.9	72	9			90.5	612	
AO5800E	SC-89-6	Dual	Load Switch	N	Yes	No		60	20	0.4	0.3	0.4	0.24	1600	1900		2.5	41	6			39.2	261	
AO5804E	SC-89-6	Dual	Load Switch	N	Yes	No		20	8	0.5	0.5	0.38	0.24	550	680	800	1	35	6	0.63	0.16	4.5	78	
AO5803E	SC-89-6	Dual	Load Switch	P	Yes	No		-20	8	-0.6	-0.4	0.4	0.24	800	1000	1250	-0.9	72	9			60.5	612	
AO5600E	SC-89-6	Complementary	Inverter	N	Yes	No		20	8	0.6	0.4	0.38	0.24	650	750	950	1	35	6			4.5	70	
AO5600E	SC-89-6	Complementary	Inverter	P	Yes	No		-20	8	-0.5	-0.4	0.38	0.24	800	1000	1300	1	72	9			60.5	612	
SOT-23																								
AO3160	NEW	SOT-23-3	Single	High Voltage	N	No	No	600	20	0.04	0.03	1.39		500000	600000		3.2	10	0.7	1*	0.52	4	12.5	
AO3460		SOT-23-3	Single	Load Switch	N	Yes	No	60	20	0.5	1.6	1.4	0.9	1700	2000		1.7	22	2			5.3	19.7	
AO3422		SOT-23-3	Single	General Purpose	N	No	No	55	12	2.1	1.7	1.25	0.8	160	200		2	214	12.6	2.6	0.8	2.3	16.5	
AO3400A		SOT-23-3	Single	General Purpose	N	No	No	30	12	5.7	4.7	1.4	0.9	26.5	32		1.45	630	50	6	1.8	3	25	
AO3404A		SOT-23-3	Single	General Purpose	N	No	No	30	20	5.8	4.9	1.4	0.9	28	42		3	621	85	5.7	3	4.5	15.1	
AO3402		SOT-23-3	Single	General Purpose	N	No	No	30	12	4	3.2	1.4	0.9	52	65	85	1.5	235	18	4.7	1.6	3.5	17.5	

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				V _{GS(th)} (max V)	C _{iss} (pF)	C _{rss} (pF)	Q _g * (nC)	Q _{gd} (nC)	T _{d(on)} (ns)	T _{d(off)} (ns)		
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V									
AO3418	SOT-23-3	Single	SMPS	N	No	No		30	12	3.8	3.1	1.4	0.9	55	65	85	1.5	235	18	4.7	1.6	3.5	17.5			
AO3434	SOT-23-3	Single	Battery Protection	N	Yes	No		30	20	3.5	2.8	1	0.64	52	75		1.8	269	41	3	0.65	2.6	15.2			
AO3424	SOT-23-3	Single	General Purpose	N	No	No		30	12	3.8	3.1	1.4	0.9	55	65	85	1.5	235	18	4.7	1.6	3.5	17.5			
AO3406	SOT-23-3	Single	General Purpose	N	No	No		30	20	3.6	2.9	1.4	0.9	50	70		2.5	170	23	2	1	4.5	18.5			
AO3700	SOT-23-5	Single	General Purpose	N	Yes	No		30	12	3.3	2.6	1.15	0.7	65	75	160	2	226	29	4.6	0.55	2.6	14.5			
AO3416	SOT-23-3	Single	Load Switch	N	Yes	No		20	8	6.5	5.2	1.4	0.9		22	26	34	1.1	1295	87	10	2.6	280	3.76		
AO3420	SOT-23-3	Single	Load Switch	N	No	No		20	12	6	5	1.4	0.9	24	27	42	55	1.1	525	75	6	2	3	20		
AO3414	SOT-23-3	Single	General Purpose	N	No	No		20	8	3	2.5	1.4	0.9		62	70	85	1	260	27	2.9	0.6	2.5	21		
AO3438	SOT-23-3	Single	Load Switch	N	No	No		20	8	3	2.5	1.4	0.9		62	70	85	1	260	27	2.9	0.6	2.5	21		
AO3702	SOT-23-5	Single	General Purpose	N	No	Yes	0.5 A	20	8	3.5	2.7	1.15	0.7		62	70	85	1	260	27	2.9	0.6	2.5	21		
AO3415AL	SOT-23-3	Single	General Purpose	P	Yes	No		-20	8	-4	-3.5	1.5	1		45	54	68	-0.85	780	80	9.3	1.8	120	2.8		
AO3435	SOT-23-3	Single	SMPS	P	No	No		-20	8	-2.9	-2.3	1	0.6		70	90	110	-1	560	70	8.5	2.1	7.2	53		
AO3419	SOT-23-3	Single	General Purpose	P	Yes	No		-20	12	-3.5	-2.8	1.4	0.9	75	95	145	-1.4	512	62	5.5	1.9	5	28			
AO3413	SOT-23-3	Single	General Purpose	P	No	No		-20	8	-3	-2.4	1.4	0.9		80	100	130	-1	560	70	8.5	2.1	7.2	53		
AO3423	SOT-23-3	Single	General Purpose	P	Yes	No		-20	12	-2	-2	1.4	0.9	92	118	166	-1.4	512	62	5.5	1.9	5	28			
AO3701	SOT-23-5	Single	General Purpose	P	Yes	No		-20	12	-3	-2.3	1.14	0.72	80	100	145	-1.4	512	62	5.5	1.9	5	28			
AO3703	SOT-23-5	Single	General Purpose	P	No	Yes	0.5 A	-20	8	-2.7	-2.1	1.14	0.72		97	130	190	-1	540	49	6.1	1.6	10	44		
AO3705	SOT-23-5	Single	SMPS	P	No	Yes	1 A	-20	8	-3.2	-2.5	1.15	0.7		70	90	110	-1	560	70	8.5	2.1	7.2	53		
AO3401A	SOT-23-3	Single	General Purpose	P	No	No		-30	12	-4	-3.2	1.4	0.9	50	60	85	-1.3	645	55	7	2.5	6.5	41			
AO3407A	SOT-23-3	Single	General Purpose	P	No	No		-30	20	-4.3	-3.5	1.4	0.9	48	78		-2.4	520	65	4.6	2.2	7.5	19			
AO3403	SOT-23-3	Single	General Purpose	P	No	No		-30	12	-2.6	-2.2	1.4	0.9	115	150	200	-1.4	260	20	2.8	1	6	20			
AO3409	SOT-23-3	Single	General Purpose	P	No	No		-30	20	-2.6	-2.2	1.4	1	110	180		-2.4	197	26	2.2	1.1	7.5	11.8			
AO3421	SOT-23-3	Single	General Purpose	P	No	No		-30	20	-2.6	-2.2	1.4	1	110	180		-2.4	197	26	2.2	1.1	7.5	11.8			
TSOP-6																										
AO6420	TSOP-6	Single	General Purpose	N	No	No		60	20	4.2	3.4	2	1.28	60	75		3	450	25	4.3	2.2	5.1	15.9			
AO6414	TSOP-6	Single	General Purpose	N	No	No		55	12	2.3	1.9	1.56	1.1		160	200		2	214	12.6	2.6	0.8	2.3	16.5		
AO6400	TSOP-6	Single	General Purpose	N	No	No		30	12	6.9	5.8	2	1.3	28	33	52	1.45	630	50	6	1.8	3	25			
AO6402A	TSOP-6	Single	General Purpose	N	No	No		30	20	7	5.6	2	1.28	27	40		2.5	621	85	5.7	3	4.5	15.1			
AO6424	TSOP-6	Single	General Purpose	N	No	No		30	20	5	4	1.25	0.8	31	43		2.4	255	35	2.55	1.3	4.5	14.5			
AO6704	TSOP-6	Single	SMPS	N	No	Yes	1 A	30	12	3.6	2.9	1.39	0.89	65	75	160	1.8	226	29	3	0.55	2.6	14.5			
AO6706	TSOP-6	Single	SMPS	N	No	Yes	1 A	30	12	3.3	2.6	1.15	0.7	65	75	160	1.8	226	29	3	0.55	2.6	14.5			
AO6404	TSOP-6	Single	Load Switch	N	No	No		20	12	8.6	6.8	2	1.28	17	18	24	33	1	1810	200	17.9	4.7	2.5	49		
AO6408	TSOP-6	Single	General Purpose	N	Yes	No		20	12	8.8	7	2	1.28	18	20	25	32	1	1810	200	17.9	4.7	3.3	44		
AO6422	TSOP-6	Single	General Purpose	N	No	No		20	8	3.9	3	1.1	0.7		44	55	72	1	450	52	6.2	1.3	4.5	33		
AO6700	TSOP-6	Single	SMPS	N	No	Yes	1 A	20	8	4.1	3.3	1.39	0.89		50	65	95	1	449	51.6	5.9	1.3	4.5	32.7		
AO6702	TSOP-6	Single	SMPS	N	No	Yes	1 A	20	8	3.8	3	1.15	0.7		50	65	95	1	449	51.6	5.9	1.3	4.5	32.7		
AO6409AL	TSOP-6	Single	Load Switch	P	Yes	No		-20	8	-5.5	-4	2.1	1.3		44	53	68	-0.9	780	80	9.3	1.8	120	2.8		
AO6415	TSOP-6	Single	Load Switch	P	Yes	No		-20	12	-3.3	-2.7	1.25	0.8	75	100	150	-1.4	512	62	4.9	1.2	11	34			
AO6401A	TSOP-6	Single	General Purpose	P	No	No		-30	12	-5	4	2	1.3	47	65	85	-1.3	645	55	7	2.5	6.5	41			
AO6403	TSOP-6	Single	General Purpose	P	No	No		-30	20	-6	-5	2	1.3	35	58		-2.4	760	95	6.7	3.2	8	17			
AO6405	TSOP-6	Single	General Purpose	P	No	No		-30	20	-5	-4.2	2	1.3	52	87		-2.4	520	65	4.6	2.2	7.5	19			
AO6701	TSOP-6	Single	SMPS	P	No	Yes	1 A	-30	12	-2.3	-1.8	1.15	0.7	135	185	265	-1.4	409	42	4.9	1.6	6.9	38.5			
AO6800	TSOP-6	Dual	General Purpose	N	No	No		30	12	3.4	2.7	1.15	0.73	60	70	90	1.5	235	18	4.7	1.6	3.5	17.5			
AO6802	TSOP-6	Dual	General Purpose	N	No	No		30	20	3.5	3	1.15	0.73	75	70		2.5	170	23	2	1	4.5	18.5			
AO6810	TSOP-6	Dual	Load Switch	N	No	No		30	20	3.5	3	1.15	0.73	77	70	42	2.5	170	23	2	1	4.5	18.5			
AO6804A	TSOP-6	Dual	Load Switch	N	Yes	No		20	12	5	4	1.3	0.8		28	39		1	180	18	5.6	1.7	172	2.94		
AO6801	TSOP-6	Dual	General Purpose	P	No	No		-30	12	-2.3	-2	1.15	0.73	115	150	200	-1.4	260	20	2.8	1	6	20			
AO6801A	NEW	TSOP-6	Dual	General Purpose	P	No	No	-30	12	-2.3	-2	1.15	0.73	115	150	200	-1.4	260	20	2.8	1	6	20			
AO6601	TSOP-6	Complementary	Inverter	N	No	No		30	12	3.4	2.7	1.15	0.73	60	70	90	1.5	235	18	4.7	1.6	3.5	17.5			

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
AO6602	TSOP-6	Complementary	Inverter	N	No	No		30	20	3.5	3	1.15	0.73	50	70			2.5	170	23	2	1	4.5	18.5
AO6604	TSOP-6	Complementary	Inverter	N	No	No		20	8	3.4	2.5	1.1	0.7		65	75	100	1	260	27	2.9	0.6	2.5	21
AO6605	TSOP-6	Complementary	Load Switch	N	No	No		20	8	1.7	1.4	1.15	0.73		200	270	400	0.9	101	14	1.6	0.4	3.2	15.5
AO6604	TSOP-6	Complementary	Inverter	P	No	No		-20	8	-2.5	-2	1.15	0.73		110	140	200	-1	540	49	6.1	1.6	10	44
AO6605	TSOP-6	Complementary	Load Switch	P	No	No		-20	8	-2.5	-2	1.15	0.73		97	130	190	-1	540	49	6.1	1.6	12	49
AO6601	TSOP-6	Complementary	Inverter	P	No	No		-30	12	-2.3	-1.8	1.15	0.73	135	185	265		-1.4	409	42	4.8	0.72	13	28
AO6602	TSOP-6	Complementary	Inverter	P	No	No		-30	20	-2.7	-2.1	1.15	0.73	100	180			-3	260	44	3	1.6	7	15
AO6808	TSOP-6	Common Drain	Load Switch	N	Yes	No		20	12	4.6	3.7	0.8	0.5		23	30		1	620	64	7.7	2.7	236	9.5
TSSOP-8																								
AO8403	TSSOP-8	Single	Load Switch	P	Yes	No		-20	8	-4	-3.5	1.5	1		42	52	70	-1	954	77	9.4	3	6.3	38.2
AO8701	TSSOP-8	Single	Load Switch	P	No	Yes	1 A	-30	12	-4.2	-3.5	1.4	1	50	65	120		-1.3	1450	160	17.2	4.5	9.5	94
AO8808A	TSSOP-8	Dual	Battery Protection	N	Yes	No		20	12	8	6.3	1.4	1	14	15	20	28	1	1160	146	16	3.8	6.2	51.7
AO8807L	TSSOP-8	Dual	Load Switch	P	Yes	No		-12	8	-6.5	-5	1.4	0.9		20	24	30	-0.85	1740	200	19	5.3	240	7000
AO8801	TSSOP-8	Dual	Load Switch	P	Yes	No		-20	8	-4.7	-3.7	1.4	0.9		42	53	70	-1	1450	160	17.2	4.5	9.5	94
AO8801A	TSSOP-8	Dual	Load Switch	P	Yes	No		-20	8	-4.7	-3.7	1.4	0.9		42	54	68	-1	780	80	9.3	1.8	120	2800
AO8818	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		30	12	7	5.5	1.5	0.96	18	20	27		1	630	137	9.3	3.6	5.7	31.5
AO8804	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	12	8	6.3	1.5	1.08	13	14	19	27	1	1810	200	19.8	5	3.3	44
AO8814	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	12	7.5	6	1.5	0.96	16	18	24	34	1	1390	150	15.4	4	6.2	40.5
AO8810	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	8	7	5.7	1.5	1		20	24	32	1	1810	200	17.9	4.7	2.5	49
AO8846	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	8	7	5.7	1.5	1		20	22	27	1	1295	87	10	2.6	6.4	42
AO8842	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	12	7	5.5	1.5	0.96	19.5	21	28.5	43	1	1026	157	12.4	3.5	0.96	7
AO8824	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	12	7	6	1.5	1	18	22	27		1	650	60	6.7	3	0.25	11
AO8820	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	12	7	5.5	1.5	0.96	21	24	32	50	1	1130	125	14	5.5	5.7	36
AO8822	TSSOP-8	Common Drain	Battery Protection	N	No	No		20	12	7	5.7	1.5	0.96	21	24	32	50	1	1060	90	14	4.6	8.7	36
AO8830	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20	12	6	4.8	1.5	0.94	27	30	41	55	1	290	40	5.2	1.9	280	2350
DFN 2x2																								
AON2260	<i>NEW</i>	DFN 2x2	Single	General Purpose	N	No	No	60	20	8	6	2.8	1.8	21	29			2.4	415	11	3	1.1	4	15
AON2240	<i>NEW</i>	DFN 2x2	Single	General Purpose	N	No	No	40	20	6	4.7	2.8	1.8	44	53			2.5	426	5	2.6	0.8	3	15
AON2410	<i>NEW</i>	DFN 2x2	Single	Load Switch	N	No	No	30	12	8	6	2.8	1.8		21	28		1.5	813	56	8	2.6	3	26
AON2408	<i>NEW</i>	DFN 2x2	Single	Load Switch	N	No	No	20	12	8	6	2.8	1.8		14.5	19		1.2	782	98	7	2.4	3	28
AON2405	<i>NEW</i>	DFN 2x2	Single	Load Switch	P	No	No	-20	8	-8	-6	2.8	1.8	32	41	56	70	-0.9	1025	119	13	3.4	7	95
AON2701		DFN 2x2	Single	Load Switch	P	No	Yes	2 A	8	-3	-2.2	1.1	0.73		120	160	200	-1	540	63	5	1	5	28.5
AON2407	<i>NEW</i>	DFN 2x2	Single	Load Switch	P	No	No	-30	12	-6.3	-5	2.8	1.8	37.5	46	70		-1.5	746	70	8	2.8	5.8	62
AON2409	<i>NEW</i>	DFN 2x2	Single	Load Switch	P	No	No	-30	20	-8	-6.3	2.8	1.8	32	53			-2.3	530	75	6	3	7.7	26.3
AON2800		DFN 2x2	Dual	Battery Protection	N	Yes	No	20	8	4	3	1.5	.95		47	65		1.2	360	50	4.15	1.15	9.5	26
AON2801		DFN 2x2	Dual	Load Switch	P	No	No	-20	8	-3	2	1.1	0.73		120	160	200	-1	540	63	5	1	5	28.5
AON2880		DFN 2x2	Common Drain	Battery Protection	N	Yes	No	20	12	7	6	2	1.3		21.5	30		1	500	52	6	1	0.2	7.4
DFN 2x3																								
AON4420L		DFN 2x3	Single	Load Switch	N	No	No	30	20	10	8	1.6	1	20	26			2.5	550	55	4.6	2.2	5	24
AON4407		DFN 2x3	Single	Load Switch	P	Yes	No	-12	8	-9	-7	2.5	1.6		20	25	31	-0.85	1740	200	19	5.3	240	7000
AON4703		DFN 2x3	Single	Load Switch	P	No	Yes	1 A	8	-3.4	-2.7	1.7	1.1		90	120	160	-1	540	49	6.1	1.6	10	44
AON4705L		DFN 2x3	Single	SMPS	P	No	Yes	1 A	8	-4	-3.2	1.7	1.1		65	85	110	-1	560	70	8.5	2.1	7.2	53
AON4413		DFN 2x3	Single	Load Switch	P	No	No	-30	20	-4.7	-3.7	1.6	1	46	60			-2.5	668	92	12.7	4	7.7	20
AON4421		DFN 2x3	Single	Load Switch	P	No	No	-30	20	-8	-6	2.5	1.6	26	34			-1.8	930	120	8.6	3.4	6	40
AON4803		DFN 2x3	Dual	Load Switch	P	No	No	-20	8	-3.4	-2.7	1.7	1.1		90	120	165	-1	540	49	6.1	1.6	10	44
AON4805L		DFN 2x3	Dual	Load Switch	P	No	No	-20	8	-4.5	-3.5	2	1.3		65	85	115	-1	560	70	8.5	2.1	7.2	53
AON4807	<i>NEW</i>	DFN 2x3	Dual	Load Switch	P	No	No	-30	20	-4	-3	1.9	1.2	68	105			-2.3	290	40	2.8	1.3	6	21
AON4605		DFN 2x3	Complementary	Inverter	N	No	No	30	20	4.3	3.4	1.9	1.2	65	115			3	238	30	3.1	1.6	3.3	13.2

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
AON4604	DFN 2x3	Complementary	Inverter	N	No	No		20	8	5.4	4.3	1.9	1.2	42	52	72	1	436	44	6.5	2.1	7	36.5	
AON4604	DFN 2x3	Complementary	Inverter	P	No	No		-20	8	-3.8	-3	1.9	1.2	90	120	170	-1	540	49	5.9	1.9	11.5	37.5	
AON4605	DFN 2x3	Complementary	Inverter	P	No	No		-30	20	-3.4	-2.7	1.9	1.2	110	180		-3	290	44	3	1.6	7	15	
DFN 2x5																								
AON5802B	DFN 2x5	Common Drain	Battery Protection	N	Yes	No		30	12	7.2	5.6	1.6	1	18	30		1.5	790	52	7.5	2.5	320	4350	
AON5808	DFN 2x5	Common Drain	Battery Protection	N	Yes	No		20	12	7.2	5.8	1.7	1	20	23	32	50	1	615	120	8.5	3	7	29
AON5810	DFN 2x5	Common Drain	Battery Protection	N	Yes	No		20	12	7.7	6.1	1.6	1	18	25	40	1	1360	178	13.1	3.9	6.2	40.5	
AON5820	NEW	DFN 2x5	Common Drain	Battery Protection	N	Yes	No	20	12	10	8	1.7	1	9.5	13		1	1255	168	12.5	6.5	1.1	7	
DFN 3x3																								
AON7460	DFN 3x3	Single	General Purpose	N	No	No		300	30	4	2.5	33	13	830			4.5	310	2.9	6.8	2*	17	29	
AON7462	DFN 3x3	Single	General Purpose	N	No	No		300	30	2.5	1.6	25	10	1500			4.5	197	2	4.6*	1.5*	17	26	
AON7458	DFN 3x3	Single	General Purpose	N	No	No		250	30	5	3.2	33	13	560			4.3	306	3.2	6	1.5	14	23	
AON7450	DFN 3x3	Single	General Purpose	N	No	No		100	25	21	13	43	17	48	57*		4.1	910	35	16*	4.7*	18	35	
AON7452	DFN 3x3	Single	General Purpose	N	No	No		100	25	5.5	3.5	17	7	310	370*		4.7	155	9	3*	0.9*	4	8.5	
AON7448	DFN 3x3	Single	General Purpose	N	No	No		80	25	26	16	43	17	30	37*		4.1	900	40	14.5*	4.6*	16	36	
AON7246	NEW	DFN 3x3	Single	General Purpose	N	No	No	60	20	34.5	22	34.7	13.9	15	19		2.5	1340	10	9	2.6	6	22	
AON7444	DFN 3x3	Single	General Purpose	N	No	No		60	20	16	13	42	17	22	26		2.6	1680	60	13	3.7	6	24	
AON7446	DFN 3x3	Single	General Purpose	N	No	No		60	20	8	5	16.7	7	145	160*		3.3	237	9	4.4*	1.1*	4.5	15	
AON7240	DFN 3x3	Single	SMPS	N	No	No		40	20	30	24	35.7	14	5.1	7		2.4	1830	43	12.8	6	7.2	23	
AON3406	DFN 3x3	Single	General Purpose	N	Yes	No		30	30	10	7.8	3	1.9	15	24		3	955	112	9	4.7	5	19	
AON3408	DFN 3x3	Single	General Purpose	N	No	No		30	12	8.5	7.2	3	1.9	24	29	45	1.5	900	65	10	3.75	3.2	21.5	
AON7200	DFN 3x3	Single	SMPS	N	No	No		30	20	24	18	28	11	8	11		2.4	1090	38	7	2.5	5	16	
AON7202	DFN 3x3	Single	SMPS	N	No	No		30	20	30	24	35	14	5	6.8		2.3	1840	63	12	4.2	6.5	21	
AON7212	DFN 3x3	Single	SMPS	N	No	No		30	20	30	24	35	14	6	7.8		2.3	1840	63	12	4.2	6.5	21	
AON7400A	DFN 3x3	Single	SMPS	N	No	No		30	20	30	24	35	14	7.5	10.5		2.5	1150	105	9.5	5	6.5	17	
AON7402	DFN 3x3	Single	SMPS High Side	N	No	No		30	20	20	16	27	11	10	15		2.2	770	77	7.1	3.1	5	18	
AON7406	DFN 3x3	Single	SMPS	N	No	No		30	20	20	20	27	11	15	23.5		3	955	112	9	4.7	5	19	
AON7408	DFN 3x3	Single	SMPS High Side	N	No	No		30	20	20	15	20	8.3	22	34		3	621	85	6	3	4.5	15.1	
AON7410	DFN 3x3	Single	Load Switch	N	No	No		30	20	20	15	20	8.3	20	26		2.5	550	55	4.6	2.2	5	24	
AON7412	NEW	DFN 3x3	Single	Load Switch	N	No	No	30	25	16	12.5	20.8	8.3	20	28		2	466	61	4.3	2.3	5	20	
AON7416	DFN 3x3	Single	Load Switch	N	No	No		30	12	40	26	25	10	8.5	10		1.7	1580	100	13	3	5	29	
AON7422E	DFN 3x3	Single	Load Switch	N	Yes	No		30	20	40	31	36	14	4.3	6		1.85	2445	220	19	6.6	7	41.5	
AON7422L	DFN 3x3	Single	Load Switch	N	No	No		30	20	32	25	35	14	4.6	6		2.3	2400	245	20	9	8	36	
AON7424	DFN 3x3	Single	Load Switch	N	Yes	No		30	20	40	31	36	14	5.2	7.5		2.3	2860	300	22	8.4	7	36	
AON7426	DFN 3x3	Single	Load Switch	N	No	No		30	20	34	27	35	14	5.5	8.3		2.3	2300	240	20	10	8	33	
AON7430L	DFN 3x3	Single	General Purpose	N	No	No		30	20	20	16	25	10	12	16		2.5	760	70	6.6	3	4.4	17	
AON7514	NEW	DFN 3x3	Single	General Purpose	N	No	No	30	20	30	23	23	9	5	8.5		2.2	951	62	7.5	3.2	6.25	18.5	
AON7516	NEW	DFN 3x3	Single	Load Switch	N	No	No	30	20	30	23	25	10	4.5	6.8		2.2	1229	83	12	5.5	7	24	
AON7700	DFN 3x3	Single	SMPS	N	No	Yes		30	12	20	20	33	13	8.5	10		3	3395	185	25	8.4	11	38	
AON7702A	DFN 3x3	Single	SMPS	N	No	Yes		30	12	36	22	23	9	10	13		2.1	1170	89	1170	89	8.7	3	
AON7702	DFN 3x3	Single	SMPS	N	No	Yes		30	20	20	20	35	14	10	14		3	2390	180	16	5.5	9	32	
AON7704	DFN 3x3	Single	SMPS	N	No	Yes		30	20	14	14	35	14	20	31		3	696	80	6.1	2.7	2.6	17	
AON7788	DFN 3x3	Single	SMPS Low Side	N	No	Yes		30	12	40	31	36	14	4.5	5.3		2	3415	232	24	10	9	47	
AON3402	DFN 3x3	Single	General Purpose	N	Yes	No		20	12	12	9.6	3	1.9	13	17	26	1	1810	200	17.9	4.7	2.5	4.9	
AON7436	DFN 3x3	Single	Load Switch	N	No	No		20	12	23	15	16.7	7	19	22	32	50	1.1	525	75	6	2	3	20
AON7404	DFN 3x3	Single	Load Switch	N	No	No		20	12	40	31	40	16	6	7.5		1.6	3860	580	36	12	7	70	
AON7407	DFN 3x3	Single	Load Switch	P	No	No		-20	8	-40	-29	29	12	9.5	12.5	18	-0.9	3495	425	44*	11	18	136	
AON7423	NEW	DFN 3x3	Single	Load Switch	P	No	No	-20	8	-50	-39	83	33	5	6.5	8.5	-0.9	5626	716	70	18.4	18	285	

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
AON7401	DFN 3x3	Single	Load Switch	P	No	No		-30	25	-20	-20	27	11	14				-3	2060	295	*30	10	11	24
AON7403	DFN 3x3	Single	Load Switch	P	No	No		-30	25	-20	-20	27	11	18	36			-3	1130	155	*18	3.3	8.7	18
AON7804	DFN 3x3	Dual	SMPS	N	Yes	No		30	20	22	14	17	7	21	26			2.4	740	82	7.5	3	5	19
AON7820	NEW	DFN 3x3	Dual	SMPS	N	Yes	No	20	10	35	22	31	12.5	16	20			1	1720	177	18.2	7.6	1.65	5.4
AON7826	DFN 3x3	Dual	SMPS	N	No	No		20	12	22	14	16.7	6.7	23	26	34	52	1.1	525	75	6	2	3	20
AON3806	DFN 3x3	Common Drain	Battery Protection	N	Yes	No		20	12	6.8	5.4	1.9	1.2		26	35		1	615	120	8.5	3	7	29
AON3814	DFN 3x3	Common Drain	Battery Protection	N	Yes	No		20	12	6	5.3	2.4	1.5		17	24	39	1.1	1315	183	13.1	4.6	1000	5600
AON3816	DFN 3x3	Common Drain	Battery Protection	N	Yes	No		20	12	4	4	2.4	1.5		22	28		1.1	1315	183	15	4.6	1000	5600
AON3611	NEW	DFN 3x3	Complementary	General Purpose	N	No	No	30	20	5	3.8	2.1	1.3	50	70			2.5	170	23	2	1	4.5	18.5
AON3611	NEW	DFN 3x3	Complementary	General Purpose	P	No	No	-30	20	-6	-4.7	2.5	1.6	38	62			-2.4	520	65	4.6	2.2	7.5	19
AON7611	NEW	DFN 3x3	Complementary	Inverter	N	No	No	30	20	9	5.5	7	2.8	50	70			2.5	170	23	2	1	4.5	18.5
AON7611	NEW	DFN 3x3	Complementary	Inverter	P	No	No	-30	20	-18.5	-11.5	20.8	8.3	38	62			-2.4	520	65	4.6	2.2	7.5	19
AON7932	DFN 3x3A	Asymmetric	SMPS	N	No	No		30	20	26	16	23	9	20	28			2.4	380	160	2.3	1.5	10	15
AON7932	DFN 3x3A	Asymmetric	SMPS	N	No	No		30	12	35	22	25	10	12	15			2.1	1020	111	9	3	11	29
DFN 3.3x3.3																								
AON7244	NEW	DFN 3.3x3.3	Single	General Purpose	N	No	No	60	20	50	39	83	33	8.5	12			2.5	2030	8.5	11.5	2.5	7.5	24.5
AON7242	NEW	DFN 3.3x3.3	Single	SMPS	N	No	No	40	20	50	39	83	33	3.9	5.8			2.3	1970	41	11.9	2.2	7	23
AON7210		DFN 3.3x3.3	Single	SMPS	N	No	No	30	20	50	39	83	33	4	5.8			2.3	1983	54	10.5	3.6	7.3	21.2
AON7418	NEW	DFN 3.3x3.3	Single	Load Switch	N	No	No	30	20	50	39	83	33	1.7	2.8			2.5	2994	196	23	10	10.5	30.8
AON7428		DFN 3.3x3.3	Single	Load Switch	N	No	No	30	20	50	39	83	33	2.8	3.6			2.3	2600	280	24	8	7	58
AON7784		DFN 3.3x3.3	Single	SMPS Low Side	N	No	Yes	30	12	50	39	83	33	3.5	4			2.1	3800	260	28	9	10	55
AON7220		DFN 3.3x3.3	Single	SMPS	N	No	No	25	12	50	39	83	33	3	4			1.8	2961	66	17.4	3.6	7.8	37.8
AON7421	NEW	DFN 3.3x3.3	Single	Load Switch	P	No	No	-20	12	-50	-39	83	33	4.6	5.8	9		-1.2	4550	563	44	14	7	134
AON7405		DFN 3.3x3.3	Single	Load Switch	P	No	No	-30	25	-50	-39	83	33	6.2	8.9*			-2.8	2450	370	21	12	9.5	104
AON7900		DFN 3.3x3.3A	Asymmetric	SMPS	N	No	Yes	30	20	40	31	50	20	6.7	8.5			2.3	1770	72	12	5	7	27
AON7900		DFN 3.3x3.3A	Asymmetric	SMPS	N	No	No	30	20	24	15	17	7	21	28			2.3	590	23	4	1.5	6	18
AON7902		DFN 3.3x3.3A	Asymmetric	SMPS	N	No	Yes	30	12	40	31	50	20	6.4	7.4			1.6	3500	260	28	11	8	50
AON7902		DFN 3.3x3.3A	Asymmetric	SMPS	N	No	No	30	20	24	15	17	7	21	28			1.8	590	23	4	1.5	6	18
DFN 5x6																								
AON6458		DFN 5x6	Single	General Purpose	N	No	No	250	30	14	8.8	83	33	170				4.5	1028	11	22*	8	28	65
AON6454A		DFN 5x6	Single	General Purpose	N	No	No	150	20	31	20	83	33	38	35*			4.6	1710	50	7.8	13.5	12	20
AON6450L		DFN 5x6	Single	SMPS	N	No	No	100	25	52	33	83	33	14.5	17.5*			4	2570	80	11.5*	13.5	15	28.5
AON6452L		DFN 5x6	Single	SMPS	N	No	No	100	25	26	17	35	14	25	31*			4	1770	55	28*	10	12	17
AON6482		DFN 5x6	Single	General Purpose	N	No	No	100	20	28	20	75	37	37	42			2.7	1630	50	18	9	7	29
AON6484		DFN 5x6	Single	General Purpose	N	No	No	100	20	12	7.5	25	10	79	90			2.7	778	24	9.6	5	6	21
AON6486		DFN 5x6	Single	General Purpose	N	No	No	100	20	10	6	31	12.5	140	152			2.8	445	16	5.1	2.4	8	17
AON6448L		DFN 5x6	Single	General Purpose	N	No	No	80	25	65	41	83	33	9.6	12*			3.7	2600	120	44*	14	18	24.5
AON6480	NEW	DFN 5x6	Single	General Purpose	N	No	No	80	20	85	65	83	33	6.4	8			2.5	2850	15.5	14	4	8	29
AON6242		DFN 5x6	Single	General Purpose	N	No	No	60	20	85	66	83	33	3.6	4.5			2.5	5305	22	23	3	13	47
AON6244		DFN 5x6	Single	General Purpose	N	No	No	60	20	85	59	83	33	4.7	6.2			2.5	3838	14.5	21	3	11	34
AON6246	NEW	DFN 5x6	Single	General Purpose	N	No	No	60	20	80	51	83	33	4.1				3.2	3930	66	58*	14*	13	32
AON6444L		DFN 5x6	Single	General Purpose	N	No	No	60	20	81	51	83	33	6.5	11.5			2.5	4800	190	40	14	13.5	51
AON6232	NEW	DFN 5x6	Single	General Purpose	N	No	No	40	20	85	67	83	33	2.5	3.6			2.3	3165	52.5	18.2	2.8	8.7	33.5
AON6234	NEW	DFN 5x6	Single	General Purpose	N	No	No	40	20	85	67	83	33	3.4	5			2.4	2335	45	15	4.5	8	26
AON6236	NEW	DFN 5x6	Single	General Purpose	N	No	No	40	20	30	24	39	15.5	7	10.5			2.4	1225	26.5	8.2	2.5	6	23.5
AON6240L		DFN 5x6	Single	General Purpose	N	No	No	40	20	85	67	83	33	1.6	2.4			2.4	5458	103	31	10.8	14.8	61.3
AON6440L		DFN 5x6	Single	General Purpose	N	No	No	40	20	85	67	83	33	3.4	5.5			2.2	5000	300	40	15	13.7	54
AON6442		DFN 5x6	Single	General Purpose	N	No	No	40	20	65	42	35.7	14	4.8	7			2.4	1830	43	12.8	6	7.2	23

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
AON6200L	DFN 5x6	Single	SMPS	N	No	No		30	20	24	18	35	14	7.8	11		2.4	1090	38	7	2.5	5	16	
AON6202	DFN 5x6	Single	SMPS	N	No	No		30	20	24	19	35	14	5.5	7.5		2.3	1840	63	12	4.2	6.5	21	
AON6204	DFN 5x6	Single	General Purpose	N	No	No		30	20	24	19	31	13	12	18		2.4	510	22	3.5	1.4	4.3	15.8	
AON6206	DFN 5x6	Single	SMPS	N	No	No		30	20	24	19	31	12	6.5	9		2.3	1390	53	8.7	3	7.5	20	
AON6210	DFN 5x6	Single	SMPS	N	No	No		30	20	85	67	83	33	1.8	2.5		2.1	5250	160	38	13	12	53	
AON6400L	DFN 5x6	Single	Load Switch	N	No	No		30	20	85	67	83	33	1.4	1.8		2.2	6900	730	70	32	12	88	
AON6404	DFN 5x6	Single	Load Switch	N	Yes	No		30	20	85	67	83	33	2.2	3.8		2	7420	720	54	22	17	67	
AON6404A	DFN 5x6	Single	Load Switch	N	Yes	No		30	20	85	67	83	33	2.3	3		2.4	4335	435	33	16	10	75.5	
AON6408L	DFN 5x6	Single	SMPS High Side	N	No	No		30	20	25	20	31	12.5	6.5	9.5		2.5	1590	145	15	7.8	6.7	22.5	
AON6414AL	DFN 5x6	Single	SMPS High Side	N	No	No		30	20	30	24	31	12.5	7.5	10.5		2.5	1150	105	9.5	5	6.5	17	
AON6416L	DFN 5x6	Single	General Purpose	N	No	No		30	20	22	17	31	12.5	8	14		2.4	1190	130	11	6	7	22	
AON6418L	DFN 5x6	Single	General Purpose	N	No	No		30	20	36	28	36	14	5.5	9.5		3	2037	220	16	4.6	8.8	23	
AON6422L	DFN 5x6	Single	Load Switch	N	Yes	No		30	20	80	63	83	33	4.5	6.9		2.3	5450	540	42	21	13	49	
AON6424	DFN 5x6	Single	SMPS High Side	N	No	No		30	20	41	26	25	10	8.5	10		1.6	1580	100	12	3	5	29	
AON6426L	DFN 5x6	Single	Load Switch	N	No	No		30	20	65	43	42	17	5.5	7.5		2.5	1930	230	18	11	8.1	29	
AON6428L	DFN 5x6	Single	SMPS High Side	N	No	No		30	20	24	19	25	10	10	14.5		2.2	770	77	7.1	3.1	5	18	
AON6502	NEW	DFN 5x6	Single	General Purpose	N	No	No	30	20	85	66	83	33	2.2	2.7		2.2	3430	175	25	10.3	7.5	33.8	
AON6504	NEW	DFN 5x6	Single	General Purpose	N	No	No	30	20	85	66	83	33	1.8	3.3		2.2	2719	169	21	7	9.7	32.5	
AON6508	NEW	DFN 5x6	Single	General Purpose	N	No	No	30	20	32	25	41	16	3.2	5		2.2	2010	124	17	8	7.5	37	
AON6512	NEW	DFN 5x6	Single	General Purpose	N	No	No	30	20	85	66	83	33	1.7	2.4		2	3430	175	25	10.3	7.5	33.8	
AON6514	NEW	DFN 5x6	Single	General Purpose	N	No	No	30	20	30	23	25	10	5	8.5		2.2	951	62	7.5	3.2	6.25	18.5	
AON6516	NEW	DFN 5x6	Single	General Purpose	N	No	No	30	20	56	36	25	10	5	8		2.2	1229	83	12	5.5	7	24	
AON6520	NEW	DFN 5x6	Single	General Purpose	N	No	No	30	20	50	29	31	12.5	8.5	11		2.5	1150	105	9.5	5	6.5	17	
AON6526	NEW	DFN 5x6	Single	General Purpose	N	No	No	30	20	32	25	25	10	7	9		2.2	1229	83	12	5.5	7	24	
AON6534	NEW	DFN 5x6	Single	General Purpose	N	No	No	30	20	30	23	25	10	8	12		2.2	951	62	7.5	3.2	6.25	18.5	
AON6702L	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	85	67	83	33	2	3		2.4	5900	560	51	23	17	61	
AON6704A	DFN 5x6	Single	SMPS Low Side	N	No	Yes		30	20	85	66	83	33	2.5	3.4		2.4	3800	420	32	13	10	38	
AON6704L	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	85	67	83	33	2.4	3.5		2.2	4520	420	34	13	12	50	
AON6706	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	85	64	83	33	4.6	7		2.2	2350	230	21	7	6.7	26.5	
AON6716L	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	85	67	83	33	2.8	4.2		2.2	4100	400	36	12	11	40	
AON6718L	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	80	63	83	33	3.7	5		2.2	3719	340	25	10	9.2	40	
AON6754	NEW	DFN 5x6	Single	General Purpose	N	No	Yes	SRFET	30	20	85	66	83	33	1.8	3.3		2.4	2857	304	22.3	8.6	9.5	35.8
AON6756	NEW	DFN 5x6	Single	General Purpose	N	No	Yes	SRFET	30	20	36	28	83	33	2.4	4		2.4	2857	304	22.3	8.6	9.5	35.8
AON6758	NEW	DFN 5x6	Single	General Purpose	N	No	Yes	SRFET	30	20	32	25	41	16	3.6	5		2.4	1905	121	13.6	5.3	7.9	27.3
AON6780	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	85	67	83	33	1.7	2.2		2	7950	600	63	25	15	97	
AON6782	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	85	66	83	33	2.4	2.9		2	5650	390	42	14	11	62	
AON6784	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	85	66	83	33	2.6	3.4		2	5140	350	37	11	9	53	
AON6786	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	85	66	83	33	2.9	3.9		2	4500	370	36	15	9	52	
AON6788	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	80	62	78	31	4	4.9		2	4380	280	31	9	10	50	
AON6790	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	68	42	36	14	4.3	5.5		2.1	3160	260	27	9	10	50	
AON6718L	DFN 5x6	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	80	63	83	33	3.7	5		2.2	3719	340	25	10	9.2	40	
AON6403L	DFN 5x6	Single	Load Switch	P	No	No		-30	20	-85	-67	83	33	3.1	4.3		-2.2	7600	1050	79	33	13	135	
AON6405L	DFN 5x6	Single	Load Switch	P	Yes	No		-30	20	-30	-23	83	33	7	8		-1.6	4580	564	41	17	180	1200	
AON6407	NEW	DFN 5x6	Single	Load Switch	P	No	No	-30	25	-85	-67	83	33	4.5			-2.6	3505	650	75*	23*	14	94	
AON6435	NEW	DFN 5x6	Single	Load Switch	P	No	No	-30	25	-34	-21.5	31	12.5	17	34		-3	1130	155	10	6	10	15	
AON6850	DFN 5x6 EP2	Dual	General Purpose	N	No	No		100	25	28	18	56	22	35	42*		4	1530	66	24*	8*	11	16	
AON6884L	DFN 5x6 EP2	Dual	Inverter	N	No	No		40	20	34	21	21	8	11.3	13.8		2.7	1500	135	13.6	6.4	6.4	29.6	
AON6906A	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	48	30	45	18	11.7	17.5		2.3	570	20	3.5	1.4	4.1	15.2	

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V								
AON6906A	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	37	23	31	12.5	14.4	21.3		2.4	510	22	3.3	1.4	4.3	15.8		
AON6908A	DFN 5x6A	Asymmetric	SMPS	N	No	Yes	SRFET	30	12	80	62	78	31	3.6	4.5		2	4380	280	31	9	10	50		
AON6908A	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	46	28	31	12	8.9	12.5		2.4	850	30	5.7	2.6	5	18.5		
AON6910A	DFN 5x6B	Asymmetric	SMPS	N	No	Yes	SRFET	30	12	80	52	52	20	4.1	5		2	3415	232	24	10	9	47		
AON6910A	DFN 5x6B	Asymmetric	SMPS	N	No	No		30	20	37	23	31	12.5	14	20		2.4	510	22	3.3	1.4	4.3	15.8		
AON6912A	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	52	33	30	12	7.3	10.4		2.5	1090	38	7	2.5	5	16		
AON6912A	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	21	13	11	4.4	13.7	19.3		2.1	580	65	4.6	2.4	4	18.5		
AON6920	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	85	66	104	41.5	1.8	2.7		2.3	4000	65	23	6	7	33		
AON6920	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	60	38	31	12.5	5.2	7.8		2.3	1300	35	7.2	1.8	5	20		
AON6924	DFN 5x6A	Asymmetric	SMPS	N	No	Yes	SRFET	30	12	85	66	104	41.5	1.6	1.9		2.1	8190	670	60	20	15	103		
AON6924	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	60	38	31	12.5	5.2	7.8		2.3	1300	35	7.2	1.8	5	20		
AON6926	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	50	32	35	14	8.5	12		2.4	1130	40	8	3	6	19		
AON6926	DFN 5x6A	Asymmetric	SMPS	N	No	No		30	20	44	28	31	12.5	11	14		2.5	1150	105	9.5	5	6.5	17		
AON6932	NEW	DFN 5x6B	Asymmetric	SMPS	N	No	No	30	20	28	22	31	12	5	8.5		2.2	951	62	7.5	3.2	6.25	18.5		
AON6932	NEW	DFN 5x6B	Asymmetric	SMPS	N	No	No	30	20	42	33	78	31	2.4	3.2		2.4	3430	175	25	10.3	7.5	33.8		
AON6934	NEW	DFN 5x6B	Asymmetric	SMPS	N	No	No	30	20	28	22	31	12	5.2	7.9		2.2	951	62	7.5	3.2	6.25	18.5		
AON6934	NEW	DFN 5x6B	Asymmetric	SMPS	N	No	No	30	20	36	28	33	13	2.8	4.4		2.2	2010	124	17	8	7.5	37		
AON6918	NEW	DFN 5x6A	Asymmetric	SMPS	N	No	No	25	20	60	38	31	12.5	5.2	7.8		2.3	1300	35	7.2	1.8	5	20		
AON6918	NEW	DFN 5x6A	Asymmetric	SMPS	N	No	No	25	20	85	66	104	41.5	1.8	2.7		2.3	4000	65	23	6	7	33		
AON6922A	DFN 5x6A	Asymmetric	SMPS	N	No	No		25	12	85	66	104	41.5	1.4	1.8		1.7	5690	165	26	5.7	9	60		
AON6922A	DFN 5x6A	Asymmetric	SMPS	N	No	No		25	12	71	44	31	12.5	3.8	4.8		1.7	1950	70	11.2	4	5.5	30		
SO-8																									
AO4452L	SO-8	Single	General Purpose	N	No	No		100	25	8	6.5	3.1	2	25	31*		4	1770	55	28*	10	12	17		
AO4454L	SO-8	Single	General Purpose	N	No	No		100	25	6.5	5.3	3.1	2	36	43*		4	1180	36	19*	6.3	10	15		
AO4482L	SO-8	Single	Load Switch	N	No	No		100	20	6	5	3.1	2	37	42		2.7	1630	50	18	9	7	28		
AO4486	SO-8	Single	General Purpose	N	No	No		100	20	4.2	3.4	3.1	2	79	90		2.7	778	24	8.1	4.1	6	21		
AO4444L	SO-8	Single	General Purpose	N	No	No		80	25	11	9	3.1	2	12	14.5*		3.8	2386	100	38*	10	13	23		
AO4448L	SO-8	Single	General Purpose	N	No	No		80	25	10	8	3.1	2	16	20*		4.2	1670	72	28*	8	12	20		
AO4442	SO-8	Single	Display	N	No	No		75	25	3.1	2.5	2.5	1.6	130	165		3	303	17	*5.2	1.34	4.5	15.6		
AO4438	SO-8	Single	Display	N	No	No		60	20	8.2	6.6	3.1	2	22	27		3	1920	116	24.2	14.4	8.2	29.7		
AO4440	SO-8	Single	Display	N	No	No		60	20	5	4	2.5	1.6	55	75		2.5	450	25	4.3	2.2	5.1	15.9		
AO4450	SO-8	Single	Display	N	No	No		40	20	6.6	5.2	2.5	1.6	30	43		3	404	37	4.6	2.5	4.3	15		
AO4480	SO-8	Single	Display	N	Yes	No		40	20	14	11	3.1	2	11.5	15.5		3	1600	100	10.5	4.8	3.5	13.2		
AO4484	SO-8	Single	Inverter	N	No	No		40	20	10	8	1.7	1.1	10	12.5		3	1500	135	13.6	6.4	6.4	29.6		
AO4310	SO-8	Single	General Purpose	N	No	No		36	20	27	22	3.6	2.3	3.1	4.2		2.3	3248	54	20.6	6.2	8.5	40.8		
AO4312	SO-8	Single	Battery Protection	N	No	No		36	20	23	18	4.2	2.7	4.5	6.2		2.3	1952	50	12.7	4.7	7	26		
AO4314	SO-8	Single	Battery Protection	N	No	No		36	20	20	16	4.2	2.7	6	8.5		2.3	1225	35	8.6	3.2	4.5	20.3		
AO4202L	SO-8	Single	SMPS Low Side	N	No	No		30	20	19	15	3.1	2	5.3	7		2.3	1840	63	13	4.2	6.5	21		
AO4302	SO-8	Single	Battery Protection	N	Yes	No		30	20	23	18	3.6	2.3	4	5		2.3	2891	256	24.8	10.9	7	41.5		
AO4304	SO-8	Single	General Purpose	N	No	No		30	20	18	14	3.6	2.3	6	7.6		2.4	1598	154	11.1	5.6	7.3	25		
AO4404B	SO-8	Single	General Purpose	N	No	No		30	12	8.5	7.1	3.1	2	24	30	48	1.45	630	50	6	1.8	3	25		
AO4406	SO-8	Single	SMPS High Side	N	No	No		30	12	11.5	9.6	3	2.1	14	16.5	26	1.5	1630	142	18	5.5	4	32		
AO4406AL	SO-8	Single	General Purpose	N	No	No		30	20	13	10.4	3.1	2	11.5	15.5		2.5	760	70	6.6	3	4.4	17		
AO4420A	SO-8	Single	General Purpose	N	No	No		30	12	13.7	9.7	3.1	2	10.5	12		2	3656	168	30.5	8.6	5.5	49.8		
AO4430	SO-8	Single	General Purpose	N	No	No		30	20	18	15	3	2.1	5.5	7.5		2.5	6060	355	48	15	12	51.5		
AO4456	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	20	16	3.1	2	4.6	5.6		2.4	4320	310	44	16	11	46		
AO4466	SO-8	Single	SMPS High Side	N	No	No		30	20	10	7	3.1	2	23	35		2.6	373	41	3.5	1.6	4.3	15.8		
AO4468	SO-8	Single	SMPS	N	Yes	No		30	20	10.5	8.5	3.1	2	14	18		2.4	740	82	7.5	3	5	19		

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
AO4474	SO-8	Single	SMPS High Side	N	No	No		30	12	13.4	10.7	3.7	2.4	11.5	13.5		2.5	1210	85	10	2.7	10	21	
AO4476AL	SO-8	Single	SMPS	N	No	No		30	20	15	12	3.1	2	7.7	10.8		2.5	1150	105	9.5	5	6.5	17	
AO4478	SO-8	Single	General Purpose	N	No	No		30	25	9	7	3.1	2	19	26		2	466	61	4.3	2.3	5	20	
AO4488	SO-8	Single	Load Switch	N	Yes	No		30	20	15	12	1.7	1.1	4.6	6.4		2.5	5450	540	42	21	13	49	
AO4490	SO-8	Single	Load Switch	N	Yes	No		30	20	16	13	2.8	1.8	7.2	10		2.5	1803	238	19	8.7	7.6	27	
AO4492L	SO-8	Single	SMPS High Side	N	No	No		30	20	14	11.4	3.1	2	9.5	14		2.2	770	77	7.1	3.1	5	18	
AO4494L	SO-8	Single	SMPS High Side	N	No	No		30	20	18	14	3.1	2	6.5	9.5		2.5	1590	145	15	7.8	6.7	22.5	
AO4496	SO-8	Single	SMPS	N	No	No		30	20	10	7.5	3.1	2	19.5	26		2.5	550	55	4.6	2.2	5	24	
AO4498EL	SO-8	Single	Load Switch	N	Yes	No		30	20	18	14	3.1	2	5.8	8.5		2.3	2300	240	20	10	8	33	
AO4498L	SO-8	Single	Load Switch	N	No	No		30	20	18	14	3.1	2	5.5	7.5		2.5	1910	227	18	11	8.1	29	
AO4588	SO-8	Single	Load Switch	N	Yes	No		30	20	20	15.5	3.1	2	4.8	6.2		2.4	2445	220	19	6.6	7	41.5	
AO4706	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	16.5	13.2	3.1	2	6.8	8.2		2.4	4000	217	27	11	9	37	
AO4710	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	12.7	10	3.1	2	11.8	14.2		2.3	1980	111	15	6	5.5	27	
AO4712	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	11.2	9.1	3.1	2	14.5	18		2.4	1450	92	12	4.2	5.5	24	
AO4718	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	15	12	3.1	2	9	14		2.5	1620	162	12	5.6	6.3	21.6	
AO4720	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	13	11	3.1	2	11	17.5		2	1267	118	10.4	3.6	5.2	21.2	
AO4722	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	11.6	9.3	3.1	2	14	22		2.5	903	91	7.8	3.9	5	17.8	
AO4724	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	10.5	8.5	3.1	2	17.5	29		2	696	81	6.1	2.7	2.6	17	
AO4726	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	18	14	3.1	2	6	7		2.3	3940	255	35	12.4	9.8	45	
AO4728L	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	20	17	3.1	2	4.3	6		2.2	3719	340	25	10	9.2	40	
AO4772	SO-8	Single	General Purpose	N	No	Yes	4 A	30	20	6	5	2	1.3	30	42		2.4	255	35	2.55	1.3	4.5	14.5	
AO4402	SO-8	Single	Load Switch	N	No	No		20	12	20	16	3.1	2		5.5	7	1.6	3860	580	36	12	7	70	
AO4437	SO-8	Single	Load Switch	P	Yes	No		-12	8	-11	-9	3	2.1		16	20	25	-1	3960	757	37	11	15	158
AO4403	SO-8	Single	General Purpose	P	No	No		-30	12	-6	-5	3.1	2	48	57	80	-1.3	645	55	7	2.5	6.5	41	
AO4407A	SO-8	Single	Load Switch	P	No	No		-30	25	-12	-10	3.1	2	13			-3	2060	295	*30	10	11	24	
AO4409	SO-8	Single	Load Switch	P	No	No		-30	20	-15	-12.8	3	2	7.5	12		-2.7	5270	745	51.5	23	14	76.5	
AO4413	SO-8	Single	Load Switch	P	No	No		-30	25	-15	-12.8	3.1	2	8.5			-3.5	2890	470	*51	16	16	45	
AO4415	SO-8	Single	Load Switch	P	No	No		-30	25	-8	-6.6	3	2.1	35			-3.5	893	151	*16.6	5.2	10.5	15.1	
AO4419	SO-8	Single	General Purpose	P	No	No		-30	20	-9.7	-7.8	3.1	2	20	35		-2.5	1040	125	9.6	4.6	10	26	
AO4423	SO-8	Single	Load Switch	P	Yes	No		-30	25	-17	-14	3.1	2	7.2			-2.6	2527	397	*47	14	12	54	
AO4427	SO-8	Single	Load Switch	P	Yes	No		-30	25	-12.5	-10.5	3	2.1	14			-3	2330	320	*41	12	12.8	49.5	
AO4433	SO-8	Single	Load Switch	P	Yes	No		-30	25	-11	-9.7	3	2.1	18			-3.5	1760	255	*30	8	11.5	35	
AO4435	SO-8	Single	Load Switch	P	No	No		-30	25	-10.5	-8	3.1	2	18	36		-3	1130	155	9.5	3.3	8.7	18	
AO4447A	SO-8	Single	Load Switch	P	Yes	No		-30	20	-17	-13	3.1	2	7	8		-1.6	4580	564	41	17	180	1200	
AO4449	SO-8	Single	Load Switch	P	No	No		-30	20	-7	-5.5	3.1	2	34	54		-2.4	760	95	6.7	3.2	8	17	
AO4459	SO-8	Single	Load Switch	P	No	No		-30	20	-6.5	-5.3	3.1	2	46	72		-2.4	520	65	4.6	2.2	7.5	19	
AO4771	SO-8	Single	General Purpose	P	No	Yes	4 A	-30	20	-4	-3	2	1.3	68	105		-2.3	290	40	2.8	1.3	6	21	
AO4425	SO-8	Single	Load Switch	P	Yes	No		-38	25	-14	-11	3.1	2	11			-3.5	3800	350	*63	16.1	12.4	97.5	
AO4443	SO-8	Single	Display	P	No	No		-40	20	-6.5	-5	3.1	2	42	63		-3	657	63	7.1	4.1	7.7	26.5	
AO4485	SO-8	Single	Inverter	P	No	No		-40	20	-10	-8	1.7	1.1	15	20		-2.5	2500	180	18.6	8.6	9.4	55	
AO4421	SO-8	Single	General Purpose	P	No	No		-60	20	-6.2	-5	3.1	2	40	50		-3	2417	120	22.7	9.2	9.8	44	
AO4441	SO-8	Single	Display	P	No	No		-60	20	-4	-3.1	3.1	2	100	130		-3	930	35	8	3.2	8	31.5	
AO4886	SO-8	Dual	General Purpose	N	No	No		100	20	3.3	2.7	2	1.28	80	91		2.7	778	24	8.1	4.1	6	21	
AO4830	SO-8	Dual	Load Switch	N	No	No		80	30	3.5	2.9	2	1.3	75			5	640	20	5.5	1.2	7.2	17	
AO4850	SO-8	Dual	Inverter	N	No	No		75	25	3.1	2.4	2	1.3	130	165		3	290	24	*5.14	1.18	4	14.4	
AO4826	SO-8	Dual	General Purpose	N	No	No		60	20	6.3	5	2	1.28	25	30		3	1920	116	24.2	14.4	7.6	28.9	
AO4828	SO-8	Dual	General Purpose	N	No	No		60	20	4.5	3.6	2	1.28	56	77		3	450	25	4.3	2.2	4.7	15.7	
AO4852	SO-8	Dual	Inverter	N	No	No		60	20	3	2.4	1.4	0.9	90	105		2.6	372	17	3.6	2	4.1	15	

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
AO4840	SO-8	Dual	General Purpose	N	No	No		40	20	6	5	2	1.28	31	45			3	404	37	4.2	2.3	4.2	15.6
AO4882	NEW	SO-8	Dual	Inverter	N	No	No	40	20	8	6	2	1.3	19	27			2.4	415	11	3	1.1	4	15
AO4884	SO-8	Dual	Inverter	N	No	No		40	20	10	8	2	1.3	13	16			2.7	1500	135	13.6	6.4	6.4	29.6
AO4800B	SO-8	Dual	General Purpose	N	No	No		30	12	6.9	5.8	2	1.3	27	32	50		1.5	630	50	6	1.8	3	25
AO4818B	SO-8	Dual	General Purpose	N	Yes	No		30	20	8	6.5	2	1.3	19	26			2.4	740	82	7.5	3	5	19
AO4822A	SO-8	Dual	General Purpose	N	Yes	No		30	20	8	6.5	2	1.3	19	26			2.4	740	82	15	3	5	19
AO4832	SO-8	Dual	SMPS	N	No	No		30	20	10	8	2	1.3	13	17.5			2.5	760	70	6.6	3	4.4	17
AO4838	SO-8	Dual	SMPS	N	No	No		30	20	11	9	2	1.3	9.6	13			2.6	1080	110	8	3	6	21
AO4842	SO-8	Dual	General Purpose	N	No	No		30	20	7.5	6.4	2	1.44	22	35			3	621	85	6	3	4.5	15.1
AO4854	SO-8	Dual	SMPS	N	Yes	No		30	20	8	6.5	2	1.3	19	23			2.4	740	82	7.5	3	5	19
AO4806	SO-8	Dual	General Purpose	N	Yes	No		20	12	9.4	7.5	2	1.28	14	16	22	30	1	1810	200	17.9	4.7	3.3	44
AO9926B	SO-8	Dual	Battery Protection	N	No	No		20	12	7.6	6.1	2	1.28	23	26	34	52	1.1	525	75	6	2	3	20
AO9926C	NEW	SO-8	Dual	Battery Protection	N	No	No	20	12	7.6	6.1	2	1.8	23	26	34	52	1.1	525	75	6	2	3	20
AO4821	SO-8	Dual	Load Switch	P	Yes	No		-12	8	-8	-6.7	2	1.28		18	22	29	-1	3960	757	37	11	15	158
AO4801A	SO-8	Dual	General Purpose	P	No	No		-30	12	-5.6	-4.5	2	1.3	42	52	75		-1.3	933	81	9.3	3.7	5.2	42
AO4803A	SO-8	Dual	General Purpose	P	No	No		-30	20	-5	-4	2	1.3	46	74			-2.5	668	92	6.4	4	7.7	20
AO4805	SO-8	Dual	Load Switch	P	No	No		-30	25	-8	-6.9	2	1.44	19				-3	2076	302	*39	11.4	12.7	25.2
AO4807	SO-8	Dual	General Purpose	P	No	No		-30	20	-6	-5	2	1.44	35	58			-2.4	920	122	9.6	4.5	7.7	20.2
AO4813	SO-8	Dual	General Purpose	P	No	No		-30	20	-7.1	-5.6	2	1.28	25	40			-2.7	1573	211	16.1	4.4	9.5	44.2
AO4815	SO-8	Dual	Load Switch	P	Yes	No		-30	25	-8	-6.9	2	1.44	20				-3	2330	320	*41	12	13	51
AO4817	SO-8	Dual	Load Switch	P	Yes	No		-30	25	-8	-6.9	2	1.44	21				-3	1760	255	*30	8	12.5	40
AO4611	SO-8	Complementary	Inverter	N	No	No		60	20	6.3	5	2	1.28	25	30			3	1920	116	24.2	14.4	7.6	28.9
AO4611	SO-8	Complementary	Inverter	P	No	No		-60	20	-4.9	-3.9	2	1.28	42	52			-3	2417	120	22.8	9.6	9.8	44
AO4612	SO-8	Complementary	Inverter	N	No	No		60	20	4.5	3.6	2	1.28	56	77			3	450	25	4.3	2.2	4.7	15.7
AO4612	SO-8	Complementary	Inverter	P	No	No		-60	20	-3.2	-2.6	2	1.28	105	135			-3	930	35	8	3.2	8	31.5
AO4614B	SO-8	Complementary	Inverter	N	No	No		40	20	6	5	2	1.28	30	38			3	516	43	4.3	1.4	6.4	16.2
AO4614B	SO-8	Complementary	Inverter	P	No	No		-40	20	-5	-4	2	1.28	45	63			-3	940	72	7.9	3.2	6.2	44.8
AO4617	SO-8	Complementary	Inverter	N	Yes	No		40	20	6	5	2	1.28	32	45			3	506	38	4.1	2.7	4.8	17
AO4617	SO-8	Complementary	Inverter	P	Yes	No		-40	20	-5	-4	2	1.28	48	75			-3	1006	77	8.9	4.6	9.7	35.5
AO4618	NEW	SO-8	Complementary	Inverter	N	Yes	No	40	20	8	6	2	1.3	19	27			3	422	11	3	0.8	4.5	16
AO4618	NEW	SO-8	Complementary	Inverter	P	Yes	No	-40	20	-7	-5.5	2	1.3	23	30			-3	1870	155	8	6.2	10	38
AO4601	SO-8	Complementary	Load Switch	N	No	No		30	12	4.7	4	2	1.44	55	70	110		1.4	390	41	0.6	4.34	3.3	21.7
AO4601	SO-8	Complementary	Load Switch	P	No	No		-30	25	-8	-6.9	2	1.44	19				-3	2076	302	*39	11.4	12.7	25.2
AO4607	SO-8	Complementary	Inverter	N	No	Yes	1A	30	20	6.9	5.8	2	1.28	28	42			3	680	77	6.74	3.2	4.6	20.6
AO4607	SO-8	Complementary	Inverter	P	No	No		-30	20	-6	-5	2	1.28	35	58			-2.4	920	122	9.6	4.5	7.7	20.2
AO4613	SO-8	Complementary	Inverter	N	Yes	No		30	20	7.2	6.1	2	1.44	24	40			3	522	75	5.3	4	4.7	16.2
AO4613	SO-8	Complementary	Inverter	P	Yes	No		-30	20	-6.1	-5.1	2	1.44	37	60			-3	1040	134	8.7	5	9	22.7
AO4615	SO-8	Complementary	Inverter	N	Yes	No		30	20	7.2	6.1	2	1.44	24	40			3	522	75	5.3	4	4.7	16.2
AO4615	SO-8	Complementary	Inverter	P	Yes	No		-30	20	-5.7	-4.9	2	1.44	39	62			-3	1035	99	8.9	4.1	8	19.5
AO4616	SO-8	Complementary	Inverter	N	No	No		30	20	8.5	6.5	2	1.28	20	28			3	1040	110	9.36	4.2	5.2	17.3
AO4616	SO-8	Complementary	Inverter	P	No	No		-30	20	-7.1	-5.6	2	1.28	25	40			-2.7	1573	211	16.1	4.4	9.5	44.2
AO4619	SO-8	Complementary	Inverter	N	No	No		30	20	7.4	6	2	1.3	24	36			3	621	85	5.7	3	4.5	15.1
AO4619	SO-8	Complementary	Inverter	P	No	No		-30	20	-5.2	-4.2	2	1.3	48	74			-3	680	86	6.4	4	7.7	20
AO4620	SO-8	Complementary	Inverter	N	No	No		30	20	7.2	6.2	2	1.44	24	36			3	660	87	5.7	3	4.5	15.1
AO4620	SO-8	Complementary	Inverter	P	No	No		-30	20	-5.3	-4.5	2	1.44	38	60			-3	980	115	9.6	4.8	7.7	20
AO4627	NEW	SO-8	Complementary	Inverter	N	No	No	30	20	4.5	3.5	2	1.3	50	68			2.5	170	23	2	1	4.5	18.5
AO4627	NEW	SO-8	Complementary	Inverter	P	No	No	-30	20	-3.5	-2.5	2	1.3	100	165			-2.4	197	26	2.2	1.1	7.5	11.8
AO4629L	SO-8	Complementary	Inverter	N	No	No		30	20	5.5	4.5	2	1.3	35	46			2.5	250	30	2.4	1.2	4	16

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V								
AO4629L	SO-8	Complementary	Inverter	P	No	No		-30	20	-5.5	-4.5	2	1.3	41	74			-2.5	520	65	4.6	2.2	7.5	19	
AO4622	SO-8	Complementary	Inverter	N	No	No		20	16	7.3	6.2	2	1.44	23	30	84		2	900	105	7.2	2.8	4.5	18.7	
AO4622	SO-8	Complementary	Inverter	P	No	No		-20	12	-5	-4.2	2	1.44		53	87		-1.3	800	103	7.4	2.9	4.4	44	
AO4924	SO-8	Asymmetric	SMPS	N	No			30	12	7.3	5.9	2	1.3	24	29			1.5	900	65	10	3.75	3.2	21.5	
AO4924	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30	12	9	7.2	2	1.3	15.8	19.5			2.4	1450	92	12	4.2	5.5	24	
AO4932	SO-8	Asymmetric	SMPS	N	No			30	20	9	7.2	2	1.3	15.8	23			2.3	955	112	9	4.7	5	19	
AO4932	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30	12	9	7.2	2	1.3	15.8	19.6			2.4	1450	92	12	4.2	5.5	24	
AO4936	SO-8	Asymmetric	SMPS	N	No			30	20	8.5	6.8	2	1.3	18	28			2.3	955	112	9	4.7	5	19	
AO4936	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30	20	8.8	7.1	2	1.3	16	22			2	1267	118	10.4	3.6	5.2	21.2	
AO4938	SO-8	Asymmetric	SMPS	N	No			30	20	9	7.2	2	1.3	16	26			2.3	955	112	9	4.7	5	19	
AO4938	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30	20	9.6	7.7	2	1.3	13.5	19.5			2	1267	118	10.4	3.6	5.2	21.2	
AO4940	SO-8	Asymmetric	SMPS	N	No			30	20	7.5	6	2	1.3	23	36			2.5	621	85	5.7	3	4.5	15.1	
AO4940	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30	20	9.1	7.3	2	1.3	15	23			2.5	903	91	7.8	3.9	5	17.8	
AO4948	SO-8	Asymmetric	SMPS	N	No			30	20	8.5	6.8	2	1.3	18	28			2.3	955	112	9	4.7	5	19	
AO4948	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30	20	8.8	7.1	2	1.3	16	22			2	1267	118	10.4	3.6	5.2	21.2	
Ultra SO-8																									
AOL1482	Ultra SO-8	Single	Load Switch	N	No	No		100	20	28	20	75	37	37	42			2.7	1630	50	18	9	7	29	
AOL1240	NEW	Ultra SO-8	Single	General Purpose	N	No	No	40	20	69	54	125	62.5	3	4.4			2.3	3165	45.5	18	3.5	9	32	
AOL1242	NEW	Ultra SO-8	Single	General Purpose	N	No	No	40	20	69	54	68	34	5.2	7.9			2.3	1350	26	8	2.3	6	23	
AOL1454	Ultra SO-8	Single	Inverter	N	Yes	No		40	20	50	48	60	30	9	13			3	1600	100	10.5	4.8	6.5	33	
AOL1202	Ultra SO-8	Single	General Purpose	N	No	No		30	20	54	42	58	29	4.2	6			2.3	1840	63	12	4.2	6.5	21	
AOL1206	Ultra SO-8	Single	SMPS	N	No	No		30	20	54	42	62	31	6	8.5			2.3	1390	53	8.7	3	6	20	
AOL1208	Ultra SO-8	Single	SMPS	N	No	No		30	20	50	36	50	25	11	15			2.4	850	30	7	3.5	6	19.5	
AOL1412	Ultra SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	85	84	100	50	3.9	4.6			2.4	6430	352	44	13	17.5	56	
AOL1418	Ultra SO-8	Single	SMPS High Side	N	No	No		30	20	85	70	100	50	6.5	10.5			3	1320	154	13.3	6.6	7.2	22	
AOL1422	Ultra SO-8	Single	Load Switch	N	Yes	No		30	20	85	85	100	50	3.7	5.4			3	5450	540	84	21	13	49	
AOL1424	Ultra SO-8	Single	SMPS	N	Yes	No		30	20	70	50	50	25	5.4	8			2.5	2520	273	25.8	13.2	7	33	
AOL1426	Ultra SO-8	Single	SMPS High Side	N	No	No		30	12	46	33	43	21	10.5	13.5			2.5	1210	85	10	2.7	10	21	
AOL1428A	Ultra SO-8	Single	SMPS High Side	N	No	No		30	20	49	38	93	46	8	11.5			2.6	1080	110	8	3	6	21	
AOL1448	Ultra SO-8	Single	SMPS High Side	N	No	No		30	20	36	28	30	15	9.5	14			2.2	770	77	7.1	3.1	5	18	
AOL1458	Ultra SO-8	Single	SMPS Low Side	N	No	No		30	20	46	36	43	21	5.6	9.5			3	2037	220	16	4.6	8.8	23	
AOL1700	Ultra SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	85	81	100	50	4.2	6			2.2	3760	314	29	12	9.5	34	
AOL1702	Ultra SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	70	52	58	29	5.8	7.2			2.4	4000	217	27	11	9	37	
AOL1708	Ultra SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	70	60	71	36	6.2	9.5			2	2154	185	17.8	7.6	6.8	25.2	
AOL1712	Ultra SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	65	65	100	50	4.2	5.5			2.5	3940	255	35	12.4	9.8	45	
AOL1718	Ultra SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	90	71	100	50	3	4.3			2.2	3719	340	25	10	9.2	40	
AOL1432A	Ultra SO-8	Single	SMPS High Side	N	No	No		25	20	44	31	30	15	7.5	14			3	1180	175	11	6.4	6.8	21.5	
AOL1434A	Ultra SO-8	Single	General Purpose	N	No	No		25	20	50	43	30	15	5	10			2.5	1800	285	15	8.9	8	29	
AOL1440	Ultra SO-8	Single	SMPS Low Side	N	No	No		25	30	85	66	75	37	5.2				4	2100	400	*33	14	12	15	
AOL1404	Ultra SO-8	Single	Load Switch	N	No	No		20	12	45	35	60	30		4	5.6			1.6	3860	580	36	12	7	70
AOL1413	Ultra SO-8	Single	Load Switch	P	Yes	No		-30	25	-38	-27	38	19	17				-2.5	1760	255	11	8	11.5	35	
AOL1401	Ultra SO-8	Single	Battery Protection	P	Yes	No		-38	25	-85	-62	100	50	10				-3.5	3800	350	*61.2	15.4	13.5	97	
PDIP-8																									
AOP806	PDIP-8	Dual	General Purpose	N	No	No		75	25	3.4	2.7	2.5	1.6	132	168			3	290	24	*5.1	1.2	4	14.4	
AOP804	PDIP-8	Dual	General Purpose	N	No	No		60	20	4.7	3.8	3.1	2	56	77			3	450	25	4.3	2.2	5.1	15.9	
AOP800	PDIP-8	Dual	General Purpose	N	No	No		30	20	9	7.3	2.5	1.6	20	28			3	940	119	9	4.7	5	19	
AOP607	PDIP-8	Complementary	Inverter	N	No	No		60	20	4.7	3.8	2.5	1.6	56	77			3	450	25	4.3	2.2	5.1	15.9	
AOP607	PDIP-8	Complementary	Inverter	P	No	No		-60	20	-3.4	-2.7	2.5	1.6	105	135			-3	930	35	8	3.2	8	31.5	

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
AOP609	PDIP-8	Complementary	Inverter	N	Yes	No		60	20	4.7	3.8	2.5	1.6	60	75			3	474	60	2.5	1.4	5.4	17.2
AOP609	PDIP-8	Complementary	Inverter	P	Yes	No		-60	20	-3.5	-2.9	2.5	1.6	115	140			-3	897	36	3.9	1.7	9	35
AOP608	PDIP-8	Complementary	Inverter	N	No	No		40	20	6.3	5	2.5	1.6	33	46			3	404	37	4.6	2.5	4.3	15
AOP608	PDIP-8	Complementary	Inverter	P	No	No		-40	20	-5.5	-4.4	2.5	1.6	45	63			-3	657	63	7.1	4.1	7.7	26.5
AOP611	PDIP-8	Complementary	Inverter	N	Yes	No		40	20	6.5	5.3	2.5	1.6	35	47			3	506	38	4.1	2.6	4.8	17
AOP611	PDIP-8	Complementary	Inverter	P	Yes	No		-40	20	-5.5	-4.4	2.5	1.6	52	80			-3	1006	77	8.8	4.6	9.7	35.5
AOP605	PDIP-8	Complementary	Inverter	N	No	No		30	20	7.5	6	2.5	1.6	28	43			3	680	77	6.74	3.2	4.6	20.6
AOP605	PDIP-8	Complementary	Inverter	P	No	No		-30	20	-6.6	-5.3	2.5	1.6	35	58			-2.4	920	122	9.6	4.5	7.7	20.2
AOP610	PDIP-8	Complementary	Inverter	N	Yes	Yes	1 A	30	20	7.7	6.1	2.3	1.45	24	42			3	543	76	5.3	1.9	4.7	16.2
AOP610	PDIP-8	Complementary	Inverter	P	Yes	No		-30	20	-6.2	-4.9	2.3	1.45	39	56			-3	1040	134	8.7	5	9	22.7
TO-220																								
AOT500	TO-220	Single	General Purpose	N	No	No		Clamped	Clamped	80	57	115	58	5.3				3	4735	340	34	15	25	150
AOT502	TO-220	Single	General Purpose	N	No	No		Clamped	Clamped	60	41	79	39	11.5				2.7	1205	109	23.4*	7	13.5	63
AOT7N70	TO-220	Single	High Voltage	N	No	No		700	30	7	4.2	198	1.6	1800				4.5	978	7	20.5*	7.9*	23	53
AOT9N70	TO-220	Single	High Voltage	N	No	No		700	30	9	5.8	236	1.8	1200				4.5	1357	7.4	28.5*	11.6*	35	76
AOT11N70	TO-220	Single	High Voltage	N	No	No		700	30	11	7.2	271	2.1	870				4.5	1793	10.5	37.5*	15*	42	103
AOT7N65	TO-220	Single	High Voltage	N	No	No		650	30	7	4.5	192	1.5	1500				5	887	7	19*	8.3*	22	54
AOT7S65	NEW	TO-220	Single	High Voltage	N	No	No	650	30	7	5	104		650				4	434	17.5	9.2*	2.7*	21	55
AOT8N65	TO-220	Single	High Voltage	N	No	No		650	30	8	5.2	208	1.67	1150				5	1165	9	23.5*	9.5*	26	65
AOT10N65	TO-220	Single	High Voltage	N	No	No		650	30	10	6.2	250	2	1000				5	1369	10	27.7*	11.3*	30	74
AOT11S65	NEW	TO-220	Single	High Voltage	N	No	No	650	30	11	8	198		399				4	646	1.1	13.2*	4.3*	25	77
AOT12N65	TO-220	Single	High Voltage	N	No	No		650	30	12	7.7	278	2.2	720				5	1792	11.5	39.8*	16.8	36	120
AOT15S65	NEW	TO-220	Single	High Voltage	N	No	No	650	30	15	10	208		290				4	841	1.1	17.2*	5.3*	27	90
AOT25S65	NEW	TO-220	Single	High Voltage	N	No	No	650	30	25	16	357		190				4	1278	1.4	26.4*	9.5*	29	112
AOT1N60	TO-220	Single	High Voltage	N	No	No		600	30	1.3	0.9	41.7		9000				4.5	130	1.8	6.1	3.1	10	20
AOT2N60	TO-220	Single	High Voltage	N	No	No		600	30	2	1.7	74		4400				4.5	270	2.8	9.5	4.7	17.2	27
AOT3N60	TO-220	Single	High Voltage	N	No	No		600	30	2.5	1.9	83		3500				4.5	304	3.3	9.9	4.6	17	24
AOT4N60	TO-220	Single	High Voltage	N	No	No		600	30	4	2.7	104		2200				4.5	511	4.4	15	7.6	20.2	36
AOT4S60L	TO-220	Single	High Voltage	N	No	No		600	30	4	3.7	83		900				4.1	263	0.75	6*	1.8*	18	40
AOT5N60	TO-220	Single	High Voltage	N	No	No		600	30	5	3.4	132		1800				4.5	583	5.3	16.8	8.5	21	35
AOT7N60	TO-220	Single	High Voltage	N	No	No		600	30	7	4.8	192		1200				4.5	861	6.6	23	11.2	25	51.5
AOT7S60L	NEW	TO-220	Single	High Voltage	N	No	No	600	30	7	5	104		600				3.9	372	1.2	8.2*	2.8*	19	50
AOT8N60	TO-220	Single	High Voltage	N	No	No		600	30	8	6.2	208		900				4.5	1140	7.8	28.4	13.4	30	69
AOT10N60	TO-220	Single	High Voltage	N	No	No		600	30	10	6.4	208		750				5	1320	9.3	31.1	14.4	28	76
AOT11S60	TO-220	Single	High Voltage	N	No	No		600	30	11	8	178	1.4	399				4.1	545	1.42	11*	3.8*	20	59
AOT12N60	TO-220	Single	High Voltage	N	No	No		600	30	12	8.1	223		550				5	1751	13	40.5	17.9	39	122
AOT12N60FD	TO-220	Single	High Voltage	N	No	No		600	30	12	8	278	2.2	650				4	1659	15.8	41*	19*	34	120
AOT15S60	NEW	TO-220	Single	High Voltage	N	No	No	600	30	15	10	208		290				3.8	717	1.3	15.6*	6*	24.5	84
AOT20N60	NEW	TO-220	Single	High Voltage	N	No	No	600	30	20	12	417		370				4.5	3061	22.8	61*	24*	57	128
AOT20S60L	TO-220	Single	High Voltage	N	No	No		600	30	20	14	266	2	199				4.1	1038	2.1	19.8*	7.6*	27.5	87.5
AOT27S60L	TO-220	Single	High Voltage	N	No	No		600	30	27	17	357	2	160				4	1294	2.3	26*	8.8*	31	99
AOT42S60	NEW	TO-220	Single	High Voltage	N	No	No	600	30	39	25	417		99				3.8	2154	2.7	40*	11.9*	38.5	136
AOT3N50	TO-220	Single	High Voltage	N	No	No		500	30	3	1.9	74		3000				4.5	276	2.6	6.7	2.7	11	20.5
AOT5N50	TO-220	Single	High Voltage	N	No	No		500	30	5	3.3	104		1500				4.5	517	4.9	15.5	7.2	14.5	34.5
AOT8N50	TO-220	Single	High Voltage	N	No	No		500	30	8	6	192		850				4.5	868	7.8	23.6	10.6	19.5	51.5
AOT9N50	TO-220	Single	High Voltage	N	No	No		500	30	9	6	192		850				4.5	868	7.8	23.6*	10.6*	19.5	51.5
AOT12N50	TO-220	Single	High Voltage	N	No	No		500	30	12	8.4	250		520				4.5	1361	12.6	29.1	20.1	29	82
AOT13N50	TO-220	Single	High Voltage	N	No	No		500	30	13	8.5	250		510				4.5	1361	12.6	30.7*	13*	29	82

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
AOT14N50	TO-220	Single	High Voltage	N	No	No		500	30	14	11	278		380		4.5	1914	16	42.8	20.3	44	92		
AOT14N50FD	TO-220	Single	High Voltage	N	No	No		500	30	14	9.6	278		470		4	1654	14.5	38.8*	17.5*	32	104		
AOT16N50	TO-220	Single	High Voltage	N	No	No		500	30	16	11	278		370		4.5	1914	16	42.8*	20.3*	44	92		
AOT22N50	NEW	TO-220	Single	High Voltage	N	No	No	500	30	22	15	417		260		4.5	3086	24	69*	24*	60	124		
AOT9N40	NEW	TO-220	Single	General Purpose	N	No	No	400	30	8	5	132		800		4.5	630	5.7	13.1*	4.8*	17	25		
AOT12N30	NEW	TO-220	Single	High Voltage	N	No	No	300	30	11.5	7.3	132		420		4.5	632	7	12.8*	4.3*	18	36		
AOT20N25	NEW	TO-220	Single	High Voltage	N	No	No	250	30	20	14	208		170		4.5	1028	11	20*	8*	27	70		
AOT404	TO-220	Single	General Purpose	N	No	No		105	25	40	28	100	50	28		4	2038	85	*38.5	13.4	12.7	31.5		
AOT290L	TO-220	Single	General Purpose	N	No	No		100	20	140	110	500	250	3.5		4.1	7180	42	90*	21	31	45		
AOT298L	NEW	TO-220	Single	General Purpose	N	No	No	100	20	58	41	100	50	14.5		4.1	1250	25	19*	6*	7.5	15		
AOT410L	TO-220	Single	General Purpose	N	No	No		100	25	150	108	333	167	6.5	7.5*	4	6622	215	107*	40	28	43.5		
AOT412	TO-220	Single	General Purpose	N	No	No		100	25	60	44	150	75	15.8	19.4*	3.8	2680	100	45	15	19	27		
AOT414	TO-220	Single	General Purpose	N	No	No		100	25	43	31	115	58	25	31*	4	1770	55	28*	10	12	17		
AOT416	TO-220	Single	General Purpose	N	No	No		100	25	42	30	150	75	37	43	4	1180	36	19*	6.3	10	15		
AOT418L	TO-220	Single	General Purpose	N	No	No		100	25	105	82	333	167	10	12*	3.9	4334	131	69*	22*	21	38		
AOT1100L	NEW	TO-220	Single	High Voltage	N	No	No	100	20	130	92	500	250	12		3.8	4833	35	82*	19*	21	50		
AOT2918L	TO-220	Single	General Purpose	N	No	No		100	20	90	70	267	133	7		3.9	2580	37	38*	12	17	30		
AOT480L	TO-220	Single	General Purpose	N	No	No		80	25	180	134	333	167	4.5	5.5*	4	6520	310	116*	38	31.5	46		
AOT482L	TO-220	Single	General Purpose	N	No	No		80	25	105	82	333	167	7.2	9*	3.7	4054	160	66.8*	20.2*	26	48		
AOT430	TO-220	Single	General Purpose	N	No	No		75	25	80	78	268	134	11.5		4	4700	180	*114	18	21	70		
AOT470	TO-220	Single	General Purpose	N	No	No		75	25	100	78	268	134	10.5		4	4700	180	114*	18	21	70		
AOT472	TO-220	Single	General Purpose	N	No	No		75	20	140	101	417	208	8.9		3.9	3753	54	96*	13	18	57		
AOT474	TO-220	Single	General Purpose	N	No	No		75	20	127	89	417	208	11.3		4	2805	36	49.6	14	15	42		
AOT260L	TO-220	Single	General Purpose	N	No	No		60	20	140	110	330	165	2.5	2.9*	3.2	11800	40	150*	15	30	74		
AOT262L	TO-220	Single	General Purpose	N	No	No		60	20	140	110	333	167	3	3.2*	3.2	8140	32	95*	5*	27	47		
AOT264L	TO-220	Single	General Purpose	N	No	No		60	20	140	110	333	167	3.2	3.5	3.2	6960	30	78*	5*	23	45		
AOT266L	TO-220	Single	General Purpose	N	No	No		60	20	140	110	268	134	3.5	4*	3.2	5650	20	65*	7*	21	36		
AOT1606L	TO-220	Single	Rugged Planar	N	No	No		60	20	178	126	417	208	6.3		3.7	3735	69	85	24	18	60		
AOT1608L	TO-220	Single	Rugged Planar	N	No	No		60	20	140	100	333	166	7.6		3.7	3069	56	69	21	18	47		
AOT460	TO-220	Single	General Purpose	N	No	No		60	20	85	85	268	134	7.5		4	3800	190	68	19	18	44		
AOT462	TO-220	Single	General Purpose	N	No	No		60	20	35	27	100	50	18		4	1840	80	27.8	6.6	12	38		
AOT466L	TO-220	Single	General Purpose	N	No	No		60	25	180	140	333	167	3.9		5	5607	485	108*	46*	31	41		
AOT1606L	TO-220	Single	Rugged Planar	N	No	No		60	20	178	126	417	208	6.3		3.7	3735	69	85	24	18	60		
AOT1608L	TO-220	Single	Rugged Planar	N	No	No		60	20	140	100	333	166	7.6		3.7	3069	56	69	21	18	47		
AOT240L	TO-220	Single	General Purpose	N	No	No		40	20	105	82	176	88	2.9	3.7	2.2	3510	68	22	7	11	38		
AOT440	TO-220	Single	General Purpose	N	No	No		40	20	105	82	150	75	4.7	6	2.3	4666	269	36	17	15	52		
AOT1404L	TO-220	Single	Rugged Planar	N	No	No		40	20	220	157	417	208	4.2		3.7	3568	151	71	23	16	54		
AOT210L	TO-220	Single	General Purpose	N	No	No		30	20	105	82	176	88	2.9	3.7	2.2	3520	90	22	7	11	38		
AOT424	TO-220	Single	SMPS Low Side	N	No	No		30	20	110	88	100	50	4	5.5	3	3700	390	30.4	19.8	12.5	40		
AOT426	TO-220	Single	SMPS Low Side	N	No	No		30	20	85	62.5	75	37.5	6	11	2.5	2342	320	26	13	9	30.7		
TO-220F																								
AOTF4N90	TO-220F	Single	High Voltage	N	No	No		900	30	4	2.5	37	0.3	3600		4.5	728	5.5	18.4*	8*	22	43		
AOTF6N90	TO-220F	Single	High Voltage	N	No	No		900	30	6	3.9	50	0.4	2200		4.5	1196	7.8	29*	13*	30	70		
AOTF7N70	TO-220F	Single	High Voltage	N	No	No		700	30	7	4.2	38.5	0.3	1800		4.5	978	7	20.5*	7.9*	23	53		
AOTF9N70	TO-220F	Single	High Voltage	N	No	No		700	30	9	5.8	50	0.4	1200		4.5	1357	7.4	28.5*	11.6*	35	76		
AOTF11N70	TO-220F	Single	High Voltage	N	No	No		700	30	11	7.2	50	0.4	870		4.5	1793	10.5	37.5*	15*	42	103		
AOTF7N65	TO-220F	Single	High Voltage	N	No	No		650	30	7	4.5	38.5	0.3	1500		5	887	7	19*	8.3*	22	54		
AOTF7S65	NEW	TO-220F	Single	High Voltage	N	No	No	650	30	7	5	25		650		4	434	17.5	9.2*	2.7*	21	55		

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				V _{GS(th)} (max V)	C _{iss} (pF)	C _{rss} (pF)	Q _g * (nC)	Q _{gd} (nC)	T _{d(on)} (ns)	T _{d(off)} (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
AOTF8N65	TO-220F	Single	High Voltage	N	No	No		650	30	8	5.2	50	0.3	1150		5	1165	9	23.5*	9.5*	26	65		
AOTF10N65	TO-220F	Single	High Voltage	N	No	No		650	30	10	6.2	50	0.4	1000		5	1369	10	27.7*	11.3*	30	74		
AOTF11S65	NEW	TO-220F	Single	High Voltage	N	No	No	650	30	11	8	30		399		4	646	1.1	13.2*	4.3*	25	77		
AOTF12N65	TO-220F	Single	High Voltage	N	No	No		650	30	12	7.7	50	0.4	720		5	1792	11.5	39.8*	16.8	36	120		
AOTF15S65	NEW	TO-220F	Single	High Voltage	N	No	No	650	30	15	10	50		290		4	841	1.1	17.2*	5.3*	27	90		
AOTF18N65	NEW	TO-220F	Single	High Voltage	N	No	No	650	30	18	12	50		400		4.5	3027	22	56*	19.6*	54	149		
AOTF25S65	NEW	TO-220F	Single	High Voltage	N	No	No	650	30	25	16	50		190		4	1278	1.4	26.4*	9.5*	29	112		
AOTF2N60	TO-220F	Single	High Voltage	N	No	No		600	30	2	1.6	31		4400		5	270	2.8	9.5	4.7	17.2	27		
AOTF4N60	TO-220F	Single	High Voltage	N	No	No		600	30	4	2.5	35		2200		5	511	4.4	15	7.6	20.2	36		
AOTF4S60	TO-220F	Single	High Voltage	N	No	No		600	30	4*	3.7*	31		900		4.1	263	0.75	6*	1.8*	18	40		
AOTF7N60	TO-220F	Single	High Voltage	N	No	No		600	30	7	4.4	38.5		1200		5	861	6.6	23.2	11.2	25	51.5		
AOTF7S60	NEW	TO-220F	Single	High Voltage	N	No	No	600	30	7	5	34		600		3.9	372	1.2	8.2*	2.8*	19	50		
AOTF8N60	TO-220F	Single	High Voltage	N	No	No		600	30	8	5	60		900		5	1140	7.8	28.4	13.4	30	69		
AOTF10N60	TO-220F	Single	High Voltage	N	No	No		600	30	10	6.4	60		750		5	1320	9.3	31.1	14.4	28	76		
AOTF11S60	NEW	TO-220F	Single	High Voltage	N	No	No	600	30	11*	8*	38		399		4.1	545	1.42	11*	3.8*	20	59		
AOTF12N60	TO-220F	Single	High Voltage	N	No	No		600	30	12	8.1	60		550		5	1751	13	40.5	17.9	39	122		
AOTF12N60FD	TO-220F	Single	High Voltage	N	No	No		600	30	12	8	50	0.4	650		4	1659	15.8	41*	19*	34	120		
AOTF15S60	NEW	TO-220F	Single	High Voltage	N	No	No	600	30	15	10	27.8		290		3.8	717	1.3	15.6*	6*	24.5	84		
AOTF20N60	TO-220F	Single	High Voltage	N	No	No		600	30	20	12	50	0.4	370		4.5	3061	22.8	61*	24*	57	128		
AOTF20S60	NEW	TO-220F	Single	High Voltage	N	No	No	600	30	20*	14*	50		199		4.1	1038	2.1	19.8*	7.6*	27.5	87.5		
AOTF27S60	TO-220F	Single	High Voltage	N	No	No		600	30	27	17	50	0.4	160		4	1294	2.3	26*	8.8*	31	99		
AOTF42S60	NEW	TO-220F	Single	High Voltage	N	No	No	600	30	39	25	50		99		3.8	2154	2.7	40*	11.9*	38.5	136		
AOTF42S60L	NEW	TO-220F	Single	High Voltage	N	No	No	600	30	39	25	37.9		99		3.8	2154	2.7	40*	11.9*	38.5	136		
AOTF3N50	TO-220F	Single	High Voltage	N	No	No		500	30	3	1.9	31		3000		4.7	276	2.6	6.7	2.7	11	20.5		
AOTF5N50	TO-220F	Single	High Voltage	N	No	No		500	30	5	3.3	35		1500		4.7	517	4.9	15.5	7.2	14.5	34.5		
AOTF8N50	TO-220F	Single	High Voltage	N	No	No		500	30	8	5.6	38.5		850		4.6	868	7.8	23.6	10.6	19.5	51.5		
AOTF9N50	TO-220F	Single	High Voltage	N	No	No		500	30	9	6	38.5	0.3	850		4.6	868	7.8	23.6*	10.6*	19.5	51.5		
AOTF12N50	TO-220F	Single	High Voltage	N	No	No		500	30	12	7.6	50		520		4.5	1361	12.6	29.1	20.1	29	82		
AOTF13N50	TO-220F	Single	High Voltage	N	No	No		500	30	13	8.5	50	0.4	510		4.5	1361	12.6	30.7*	13*	29	82		
AOTF14N50	TO-220F	Single	High Voltage	N	No	No		500	30	14	9.6	50		380		4.5	1914	16	44	29	44	92		
AOTF14N50FD	TO-220F	Single	High Voltage	N	No	No		500	30	14	9.6	50	0.4	470		4	1654	14.5	38.8*	17.5*	32	104		
AOTF16N50	TO-220F	Single	High Voltage	N	No	No		500	30	16	11	50	0.4	370		4.5	1914	16	42.8*	20.3*	44	92		
AOTF22N50	TO-220F	Single	High Voltage	N	No	No		500	30	22	15	50	0.4	260		4.5	3086	24	69*	24*	60	124		
AOTF12N30	NEW	TO-220F	Single	High Voltage	N	No	No	300	30	11.5	7.3	36		420		4.5	632	7	12.8*	4.3*	18	36		
AOTF298L	NEW	TO-220F	Single	General Purpose	N	No	No	100	20	33	26	33	16	14.5		4.1	1250	1670	19	6	7.5	15		
AOTF2918L	NEW	TO-220F	Single	General Purpose	N	No	No	100	20	58	45	41	20	7		3.9	2580	37	38	12	17	30		
AOTF4126	NEW	TO-220F	Single	General Purpose	N	No	No	100	25	27	19	42	21	24		4	1770	55	9	10	12	17		
AOTF450L	TO-220FL	Single	General Purpose	N	No	No		200	30	5.8	4.1	27		700		4.5	194	3.3	3.6	0.6	11	13		
AOTF454L	TO-220FL	Single	General Purpose	N	No	No		150	20	13	8	41	16	94		4	820	22	15	4.4	10.5	14.5		
AOTF404	TO-220FL	Single	General Purpose	N	No	No		105	25	40	28	100	50	28		4	2038	85	*38.5	13.4	12.7	31.5		
AOTF470	TO-220FL	Single	General Purpose	N	No	No		75	25	80	80	268	134	11.5		4	4700	180	*114	18	21	70		
AOTF470	TO-220FL	Single	General Purpose	N	No	No		75	25	50	36	54	27	11.5		4	4700	180	*114	18	21	70		
AOTF472	TO-220FL	Single	General Purpose	N	No	No		75	20	53	37.5	57.5	29	8.9		3.9	3753	54	96*	13	18	57		
AOTF474	TO-220FL	Single	General Purpose	N	No	No		75	20	47	33	57.5	29	11.3		4	2805	36	49.6	14	15	42		
AOTF240L	NEW	TO-220F	Single	General Purpose	N	No	No	40	20	85	60	41	20	2.9	3.7	2.2	3510	68	22	7	11	38		
AOTF4185	TO-220FL	Single	General Purpose	P	No	No		-40	20	-34	-27	33	16	16	20		-2.5	2550	190	18.6	8.6	9.4	55	
AOTF409	TO-220FL	Single	General Purpose	P	No	No		-60	20	-24	-17	43	21	40	54		-2.4	2461	120	19.7	8.9	12	38	

* Q_g measured with V_{gs} = 10V. In all other cases V_{gs} = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
TO-247																								
AOK18N65	NEW	TO-247	Single	High Voltage	N	No	No	650	30	18	12	417	390			4.5	3027	22	56*	19.6*	54	149		
AOK20N60	NEW	TO-247	Single	High Voltage	N	No	No	600	30	20	12	417	370			4.5	3061	22.8	61*	24*	57	128		
AOK20S60	NEW	TO-247	Single	High Voltage	N	No	No	600	30	20*	14*	266	199			4.1	1038	2.1	19.8*	7.6*	27.5	87.5		
AOK27S60	NEW	TO-247	Single	High Voltage	N	No	No	600	30	27	17	357	160			4	1294	2.3	26*	8.8*	31	99		
AOK42S60	NEW	TO-247	Single	High Voltage	N	No	No	600	30	39	25	417	99			3.8	2154	2.7	40*	11.9*	38.5	136		
AOK22N50	NEW	TO-247	Single	High Voltage	N	No	No	500	30	22	15	417	260			4.5	3086	24	69*	24*	60	124		
TO-251																								
AOU7S65	NEW	TO-251	Single	High Voltage	N	No	No	650	30	7	5	89	650			4	434	17.5	9.2*	2.7*	21	55		
AOU1N60		TO-251	Single	High Voltage	N	No	No	600	30	1.3	0.8	45	9000			5	130	1.8	6.1	3.1	10	20		
AOU2N60		TO-251	Single	High Voltage	N	No	No	600	30	2	1.4	56.8	4400			5	270	2.8	9.5	4.7	17.2	27		
AOU3N60		TO-251	Single	High Voltage	N	No	No	600	30	2.5	1.6	56.8	3500			5	304	3.3	9.9	4.6	17	24		
AOU4S60		TO-251	Single	High Voltage	N	No	No	600	30	4	3	56.8	0.45	900		4.1	263	0.75	6*	1.8*	18	40		
AOU7S60	NEW	TO-251	Single	High Voltage	N	No	No	600	30	7	5	83	600			3.9	372	1.2	8.2*	2.8*	19	50		
AOU3N50		TO-251	Single	High Voltage	N	No	No	500	30	2.8	1.8	57	0.45	3000		4.5	276	2.6	6.7*	2.7*	11	20.5		
AOU4144		TO-251	Single	SMPS High Side	N	No	No	30	20	55	43	50	25	8	14	2.4	1190	130	11	6	7	22		
AOU452A		TO-251	Single	SMPS High Side	N	No	No	25	20	55	43	50	25	8	14	2.5	1180	175	11	6.4	6.8	21.5		
TO-251A																								
AOI1N60L		TO-251A	Single	High Voltage	N	No	No	600	30	1.3	0.8	45	9000			5	130	1.8	6.1	3.1	10	20		
AOI4N60		TO-251A	Single	High Voltage	N	No	No	600	30	4	2.6	104	0.83	2300		4.5	528	4.8	12*	4.4*	17	34		
AOI4S60		TO-251A	Single	High Voltage	N	No	No	600	30	4	3	56.8	900			4.1	263	0.75	6*	1.8*	18	40		
AOI11S60		TO-251A	Single	High Voltage	N	No	No	600	30	11	8.5	208	1.67	399		4.1	545	1.42	11*	3.8*	20	59		
AOI468		TO-251A	Single	General Purpose	N	No	No	300	30	11.5	8.3	150	1	420		4.5	632	7	12.8*	4.3*	18	36		
AOI478		TO-251A	Single	General Purpose	N	No	No	100	20	11	8	45	23	140	152	2.8	445	16	5.1	2.4	8	17		
AOI482		TO-251A	Single	General Purpose	N	No	No	100	20	32	22	100	50	37	42	2.7	1630	50	18	9	7	29		
AOI4126		TO-251A	Single	General Purpose	N	No	No	100	25	43	30	100	50	24	30*	4	1770	55	28*	10	12	17		
AOI442		TO-251A	Single	General Purpose	N	No	No	60	20	37	26	60	30	20	25	2.7	1920	116	24.2	14.4	7.4	28.2		
AOI444		TO-251A	Single	General Purpose	N	No	No	60	20	12	12	20	10	60	85	3	450	27	3.8	1.9	4.2	16		
AOI4130		TO-251A	Single	General Purpose	N	No	No	60	20	30	20	52	25	24	30	2.8	1582	67	13.4	7.2	7.5	33		
AOI4184		TO-251A	Single	Load Switch	N	No	No	40	20	50	40	50	20	8	11	3	1500	135	27.2	6.4	6.4	29.6		
AOI206		TO-251A	Single	SMPS	N	No	No	30	20	54	42	50	25	6	8.5	2.3	1390	53	8.7	3	7.5	20		
AOI208	NEW	TO-251A	Single	SMPS	N	No	No	30	20	54	42	62	31	4.4	6.5	2.3	1840	60	13	4.2	6.5	21		
AOI4102		TO-251A	Single	SMPS	N	No	No	30	20	19	13	21	10	37	64	3	360	30	3.2	2.2	4.3	12.8		
AOI4144		TO-251A	Single	General Purpose	N	No	No	30	20	55	43	50	25	8	14	2.4	1190	130	11	6	7	22		
AOI4146		TO-251A	Single	SMPS Low Side	N	No	No	30	20	55	43	62	31	5.6	9.5	3	2037	220	16	4.6	8.8	23		
AOI418		TO-251A	Single	SMPS High Side	N	No	No	30	20	36	28	50	25	8	11.5	2.5	1150	105	9.5	5	6.5	17		
AOI516	NEW	TO-251A	Single	General Purpose	N	No	No	30	20	54	42	50	25	5	8	2.2	1229	83	24	4	7	24		
AOI518	NEW	TO-251A	Single	General Purpose	N	No	No	30	20	54	42	50	25	8	12	2.2	951	62	7.5	3.2	6.25	18.5		
AOI452		TO-251A	Single	General Purpose	N	No	No	25	20	55	40	50	25	8.7	14.7	3	1230	190	13.5	7.75	6.5	22.7		
AOI452A		TO-251A	Single	SMPS High Side	N	No	No	25	20	55	43	50	25	7.3	14	2.5	1180	175	11	6.4	6.8	21.5		
AOI472		TO-251A	Single	General Purpose	N	No	No	25	20	50	50	50	25	5	9.5	2.5	2050	280	17	3.5	7.5	27		
AOI472A		TO-251A	Single	SMPS Low Side	N	No	No	25	20	50	39	50	25	5.2	9.5	2.5	1800	285	15	8.9	8	29		
AOI4140		TO-251A	Single	SMPS High Side	N	No	No	25	20	55	43	50	25	7.3	14	2.5	1180	175	11	6.4	6.8	21.5		
AOI4142		TO-251A	Single	SMPS Low Side	N	No	No	25	20	50	39	50	25	5.2	9.5	2.5	1800	285	15	8.9	8	29		
AOI403		TO-251A	Single	Load Switch	P	No	No	-30	25	-70	-55	90	45	8.5		-3.5	2890	470	51*	16*	16	45		
AOI4185		TO-251A	Single	General Purpose	P	No	No	-40	20	-40	-31	62.5	31	15	20	-3	2550	190	18.6	8.6	9.4	55		
AOI409		TO-251A	Single	General Purpose	P	No	No	-60	20	-26	-18	60	30	40	55	-2.4	2977	153	22.2	10	12	38		

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
TO-252																								
AOD7S65	NEW	TO-252	Single	High Voltage	N	No	No	650	30	7	5	89	650			4	434	17.5	9.2*	2.7*	21	55		
AOD1N60		TO-252	Single	High Voltage	N	No	No	600	30	1.3	0.8	45	9000			5	130	1.8	6.1	3.1	10	20		
AOD2N60		TO-252	Single	High Voltage	N	No	No	600	30	2	1.4	56.8	4400			5	270	2.8	9.5	4.7	17.2	27		
AOD3N60		TO-252	Single	High Voltage	N	No	No	600	30	2.5	1.6	56.8	3500			5	304	3.3	9.9	4.6	17	24		
AOD4N60		TO-252	Single	High Voltage	N	No	No	600	30	4	2.6	104	0.83	2300		4.5	528	4.8	12*	4.4*	17	34		
AOD4S60		TO-252	Single	High Voltage	N	No	No	600	30	4	3	56.8	900			4.1	263	0.75	6*	1.8*	18	40		
AOD7S60	NEW	TO-252	Single	High Voltage	N	No	No	600	30	7	5	83	600			3.9	372	1.2	8.2*	2.8*	19	50		
AOD11S60		TO-252	Single	High Voltage	N	No	No	600	30	11	8.5	208	1.67	399		4.1	545	1.42	11*	3.8*	20	59		
AOD3N50		TO-252	Single	High Voltage	N	No	No	500	30	2.8	1.8	57	3000			4.7	276	2.6	6.7	2.7	11	20.5		
AOD5N50		TO-252	Single	High Voltage	N	No	No	500	30	5	3.1	104	0.83	1600		4.5	538	4.5	11.5*	4.1*	18	34		
AOD3N40	NEW	TO-252	Single	High Voltage	N	No	No	400	30	2.6	1.6	50	3100			4.5	186	2.1	4.2*	1*	14	18		
AOD5N40	NEW	TO-252	Single	High Voltage	N	No	No	400	30	4.2	2.8	78	1600			4.5	331	3	6.9*	2.3*	16.5	24		
AOD9N40		TO-252	Single	General Purpose	N	No	No	400	30	8	5	125	1	800		4.5	630	5.7	13.1*	4.8*	17	25		
AOD468		TO-252	Single	General Purpose	N	No	No	300	30	11.5	8.3	150	1	420		4.5	632	7	12.8*	4.3*	18	36		
AOD458		TO-252	Single	General Purpose	N	No	No	250	30	14	10	150		280		4.5	637	7.1	12	4.6	21	29		
AOD8N25	NEW	TO-252	Single	High Voltage	N	No	No	250	30	8	5	78	560			4.3	306	3.2	6*	1.5*	14	23		
AOD450		TO-252	Single	Inverter	N	No	No	200	30	3.8	2.7	25	12.5	700		6	215	7.2	*3.82	1.47	6.3	10.5		
AOD254	NEW	TO-252	Single	General Purpose	N	No	No	150	20	28	20	100	50	46	53	2.7	2150	4	12	3	9	29		
AOD4454		TO-252	Single	General Purpose	N	No	No	150	20	20	14	100	50	94	110*	4.6	820	22	15*	4.4	10.5	14.5		
AOD464		TO-252	Single	General Purpose	N	No	No	105	25	40	28	100	50	28		4	2038	85	*38.5	10	12.7	31.5		
AOD478		TO-252	Single	General Purpose	N	No	No	100	20	11	8	45	23	140	152	2.8	445	16	5.1	2.4	8	17		
AOD482		TO-252	Single	General Purpose	N	No	No	100	20	32	22	100	50	37	42	2.7	1630	50	18	9	7	29		
AOD4124		TO-252	Single	SMPS	N	No	No	100	25	54	38	150	75	21	25*	4	2006	58	31*	11*	14	21		
AOD4126		TO-252	Single	General Purpose	N	No	No	100	25	43	30	100	50	24	30*	4	1770	55	28*	10	12	17		
AOD4180		TO-252	Single	General Purpose	N	No	No	80	25	54	42	150	50	14	18*	4	2003	77	31.2*	11.4*	14	22		
AOD4182		TO-252	Single	Load Switch	N	No	No	80	25	53	38	100	50	15.5	20*	4.2	1670	72	28*	8	12	20		
AOD446		TO-252	Single	General Purpose	N	No	No	75	25	10	10	20	10	140	165	3	293	20	*5.2	1.34	4.6	14.7		
AOD442		TO-252	Single	General Purpose	N	No	No	60	20	38	27	60	30	20	25	3	1920	116	24.2	14.4	7.4	28.2		
AOD444		TO-252	Single	General Purpose	N	No	No	60	20	12	9	20	10	60	85	3	450	27	3.8	1.9	4.2	16		
AOD2610	NEW	TO-252	Single	General Purpose	N	No	No	60	20	46	36	71.5	35.5	10.7	13.5	2.5	2007	12.5	8.5	2.2	8.5	27		
AOD4130		TO-252	Single	General Purpose	N	No	No	60	20	30	20	52	25	24	30	2.8	1582	67	13.4	7.2	7.5	33		
AOD240		TO-252	Single	SMPS	N	No	No	40	20	70	55	150	75	3	3.9	2.2	3510	68	22	7	11	38		
AOD454A		TO-252	Single	General Purpose	N	No	No	40	20	20	15	37	18	30	40	3	516	43	8.3	1.6	6.4	16.2		
AOD4184		TO-252	Single	Load Switch	N	No	No	40	20	50	40	50	25	8	11	2.6	1500	135	27.2	6.4	6.4	29.6		
AOD4184A		TO-252	Single	Load Switch	N	No	No	40	20	50	40	50	25	7	9.5	2.6	1500	135	14	6	6	30		
AOD4186		TO-252	Single	Inverter	N	No	No	40	20	35	27	50	25	15	19	2.7	980	80	9	4.5	6	26		
AOD200		TO-252	Single	SMPS High Side	N	No	No	30	20	36	28	50	25	7.8	11	2.4	1084	24	5.3	1.2	6.7	15.5		
AOD206		TO-252	Single	SMPS	N	No	No	30	20	54	42	50	25	5.5	8	2.3	1390	53	8.7	3	7.5	20		
AOD208		TO-252	Single	SMPS	N	No	No	30	20	54	42	62	31	4.4	6.5	2.3	1840	60	13	4.2	6.5	21		
AOD210		TO-252	Single	SMPS	N	No	No	30	20	70	55	150	75	3	3.9	2.2	3520	90	22	7	11	38		
AOD418	NEW	TO-252	Single	SMPS High Side	N	No	No	30	20	36	28	50	25	6.7	11	2.5	1150	105	9.5	5	6.5	17		
AOD448		TO-252	Single	General Purpose	N	No	No	30	20	75	56	50	25	5	9	2.5	2342	320	26	13	9	30.7		
AOD480		TO-252	Single	General Purpose	N	No	No	30	20	25	20	33	17	23	36	2.5	621	85	5.7	3	4.5	15.1		
AOD490		TO-252	Single	SMPS Low Side	N	No	Yes	SRFET	30	12	40	31	63	31	6.8	8.3	2.4	4000	217	27	11	9	37	
AOD492		TO-252	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	85	66	100	50	4.4	6.2	2.2	3760	314	29	12	9.5	34	
AOD496A		TO-252	Single	General Purpose	N	No	No	30	20	57	40	50	25	9	14	2.2	770	77	7.1	3.1	5	18		
AOD508	NEW	TO-252	Single	General Purpose	N	No	No	30	20	70	55	50	25	2.7	4.1	2.2	2010	124	17	8	7.5	37		

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				VGS(th) (max V)	Ciss (pF)	Crss (pF)	Qg* (nC)	Qgd (nC)	Td(on) (ns)	Td(off) (ns)	
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V								
AOD512	NEW	TO-252	Single	General Purpose	N	No	No	30	20	70	55	83	33	2.4	3.2			2	3430	175	25	10.3	7.5	33.8	
AOD514	NEW	TO-252	Single	General Purpose	N	No	No	30	20	54	42	50	25	5	8.5			2.2	951	62	7.5	3.2	6.25	18.5	
AOD516	NEW	TO-252	Single	General Purpose	N	No	No	30	20	54	42	50	25	5	8			2.2	1229	83	24	4	7	24	
AOD518	NEW	TO-252	Single	General Purpose	N	No	No	30	20	54	42	50	25	8	12			2.2	951	62	7.5	3.2	6.25	18.5	
AOD4102		TO-252	Single	SMPS	N	No	No	30	20	19	13	21	10	37	64			3	360	30	3.2	2.2	4.3	12.8	
AOD4110		TO-252	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	40	40	63	31	7.2	10.5			2	2154	185	17.8	7.6	6.8	25.2
AOD4112		TO-252	Single	SMPS Low Side	N	No	Yes	SRFET	30	20	20	20	50	25	9.5	14.5			2.5	1620	162	12	5.6	6.3	21.6
AOD4132		TO-252	Single	SMPS Low Side	N	No	No	30	20	85	63	100	50	4	6			3	3700	390	33	17.6	12	40	
AOD4144		TO-252	Single	SMPS High Side	N	No	No	30	20	55	42	50	25	8	14			2.4	1190	130	11	6	7	22	
AOD4146		TO-252	Single	SMPS Low Side	N	No	No	30	20	55	43	62	31	5.6	9.5			3	2037	220	16	4.6	8.8	23	
AOD4156		TO-252	Single	SMPS Low Side	N	No	No	30	20	55	43	62	31	5.6	9.5			3	2037	220	16	4.6	8.8	23	
AOD452A		TO-252	Single	SMPS High Side	N	No	No	25	20	55	43	50	25	8	14			3	1180	175	11	6.4	6.8	21.5	
AOD456		TO-252	Single	SMPS Low Side	N	No	No	25	20	50	40	50	25	6	10			3	1850	275	15.7	8.2	7.5	30	
AOD472A		TO-252	Single	SMPS Low Side	N	No	No	25	20	55	43	53.5	26.5	5.5	9.5			2.5	1800	285	15	8.9	8	29	
AOD4100		TO-252	Single	SMPS High Side	N	No	No	25	30	50	49	50	25	12				4	1100	200	*17	6.8	9.5	11.5	
AOD4104		TO-252	Single	SMPS Low Side	N	No	No	25	30	75	75	100	50	5.4				4	2100	400	*40	14	12	15	
AOD4106		TO-252	Single	SMPS Low Side	N	No	No	25	30	50	50	75	38	8.1				4	1561	323	*22.5	10	12	17	
AOD4128		TO-252	Single	General Purpose	N	No	No	25	20	60	47	75	37	4	7			2.5	3578	438	29.8	12.9	11.6	45	
AOD4136		TO-252	Single	Load Switch	N	No	No	25	20	25	20	30	15	11	19			2.5	734	97	12.9	4	6	19.6	
AOD422		TO-252	Single	General Purpose	N	No	No	20	8	20	16	37	18		25	28	34	1.1	1295	87	10	2.6	280	3760	
AOD424		TO-252	Single	General Purpose	N	No	No	20	12	45	35	100	50	4.4	5.7			1.6	3860	580	36	12	7	70	
AOD476		TO-252	Single	SMPS	N	No	No	20	16	25	20	33.3	16.7	21	28	79		2	900	105	7.2	2.8	4.5	18.7	
AOD4120		TO-252	Single	SMPS	N	No	No	20	16	25	19	33	16.7	18	25	75		2	900	105	7.2	2.8	4.5	18.7	
AOD421		TO-252	Single	General Purpose	P	No	No	-20	12	-12.5	-8.9	18.8	9.4	75	95	145			-1.4	512	62	4.6	2.1	5.2	17
AOD403		TO-252	Single	Load Switch	P	No	No	-30	25	-70	-55	136	68	8				-3.5	2890	470	*51	16	16	45	
AOD417		TO-252	Single	Inverter	P	No	No	-30	20	-25	-20	50	25	34	55			-3	920	90	8.2	3.6	8	22	
AOD425		TO-252	Single	General Purpose	P	No	No	-30	25	-50	-36	71	36	17				-3.5	1760	255	11	8	11.5	35	
AOD413A		TO-252	Single	General Purpose	P	No	No	-40	20	-12	-12	50	25	44	66			-3	900	68	7.2	3.5	6.2	44.8	
AOD4185		TO-252	Single	General Purpose	P	No	No	-40	20	-50	-35	62.5	31	15	20			-3	2550	190	18.6	8.6	9.4	55	
AOD4187L		TO-252	Single	Inverter	P	No	No	-40	20	-45	-30	60	30	17	23			-3	2350	185	20	9.7	9.6	56	
AOD4189		TO-252	Single	Inverter	P	No	No	-40	20	-40	-28	62.5	31	22	29			-3	1870	155	7.9	6.2	10	38	
AOD4191L		TO-252	Single	Inverter	P	No	No	-40	20	-34	-24	50	25	25	34			-3	1440	125	14	6.7	9.6	38	
AOD407		TO-252	Single	General Purpose	P	No	No	-60	20	-12	-10	50	25	115	150			-3	987	46	7.4	3.5	9	25	
AOD409		TO-252	Single	General Purpose	P	No	No	-60	20	-26	-18	60	30	40	55			-2.4	2977	153	22.2	10	12	38	
AOD603		TO-252	Complementary	Inverter	N	No	No	60	20	12	9.4	20	10	60	85			3	450	27	3.8	1.9	4.2	16	
AOD603		TO-252	Complementary	Inverter	P	No	No	-60	20	-12	-10	37.5	18.8	115	150			-3	987	46	7.4	3.5	9	25	
AOD603A	NEW	TO-252	Complementary	Inverter	N	No	No	60	20	12	9.5	27	13.5	60	85			3	450	27	3.8	1.9	4.2	16	
AOD603A	NEW	TO-252	Complementary	Inverter	P	No	No	-60	20	-12	-9.5	42.5	21.5	115	150			-3	960	38	7.4	3.5	9	25	
AOD604		TO-252	Complementary	Inverter	N	No	No	40	20	8	6.3	20	10	33	47			3	404	37	4.5	2.6	3.5	13.2	
AOD604		TO-252	Complementary	Inverter	P	No	No	-40	20	-8	-6.3	30	15	50	70			-3	657	63	14.1	4.1	8	24	
AOD608		TO-252	Complementary	Inverter	N	Yes	No	40	20	10	7.8	20	10	39	50			3	500	38	4.1	2.6	4.8	17	
AOD608		TO-252	Complementary	Inverter	P	Yes	No	-40	20	-10	-7.8	50	25	51	75			-3	1000	77	8.8	4.5	9.7	35.5	
AOD609		TO-252	Complementary	Inverter	N	No	No	40	20	12	12	27	14	30	40			3	516	43	8.3	1.6	6.4	16.2	
AOD609		TO-252	Complementary	Inverter	P	No	No	-40	20	-12	-12	30	15	45	66			-3	900	68	7.2	3.5	6.2	44.8	
AOD607		TO-252	Complementary	Inverter	N	No	No	30	20	12	9.4	25	12.5	25	34			2.5	1040	110	9.8	3.5	4.5	17.4	
AOD607		TO-252	Complementary	Inverter	P	No	No	-30	20	-12	-9.4	25	12.5	37	62			-2.4	920	122	9.7	5.4	9	20	

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				V _{GS(th)} (max V)	C _{iss} (pF)	C _{rss} (pF)	Q _g * (nC)	Q _{gd} (nC)	T _{d(on)} (ns)	T _{d(off)} (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
TO-262																								
AOW7S65	NEW	TO-262	Single	High Voltage	N	No	No	650	30	7	5	104		650		4	434	17.5	9.2*	2.7*	21	55		
AOW10N65		TO-262	Single	High Voltage	N	No	No	650	30	10	6.2	250	2	1000		4.5	1369	10	27.7*	11.3*	30	74		
AOW11S65	NEW	TO-262	Single	High Voltage	N	No	No	650	30	11	8	198		399		4	646	1.1	13.2*	4.3*	25	77		
AOW12N65		TO-262	Single	High Voltage	N	No	No	650	30	12	7.7	278	2.2	720		4.5	1792	11.5	39.8*	16.8*	36	120		
AOW15N65	NEW	TO-262	Single	High Voltage	N	No	No	650	30	15	10	208		290		4	841	1.1	17.2*	5.3*	27	90		
AOW25S65	NEW	TO-262	Single	High Voltage	N	No	No	650	30	25	16	357		190		4	1278	1.4	26.4*	9.5*	29	112		
AOW4S60		TO-262	Single	High Voltage	N	No	No	600	30	4	3.7	83	0.67	900		4.1	263	0.75	6*	1.8*	18	40		
AOW7S60	NEW	TO-262	Single	High Voltage	N	No	No	600	30	7	5	104		600		3.9	372	1.2	8.2*	2.8*	19	50		
AOW10N60		TO-262	Single	High Voltage	N	No	No	600	30	10	7.2	250	2	750		4.5	1320	9.3	31*	14.4*	28	76		
AOW11S60		TO-262	Single	High Voltage	N	No	No	600	30	11	8	178	1.4	399		4.1	545	1.42	11*	3.8*	20	59		
AOW12N60		TO-262	Single	High Voltage	N	No	No	600	30	12	9.7	278	2.2	550		4.5	1751	13	40*	17.9*	39	122		
AOW15S60	NEW	TO-262	Single	High Voltage	N	No	No	600	30	15	10	208		290		3.8	717	1.3	15.6*	6*	24.5	84		
AOW20S60	NEW	TO-262	Single	High Voltage	N	No	No	600	30	20	14	266		199		4.1	1038	2.1	19.8*	7.6*	27.5	87.5		
AOW12N50		TO-262	Single	High Voltage	N	No	No	500	30	12	8.4	250	2	520		4.5	1361	12.6	30.7*	13*	29	82		
AOW14N50		TO-262	Single	High Voltage	N	No	No	500	30	14	11	278	2.2	380		4.5	1914	16	42.8*	20.3*	44	92		
AOW298	NEW	TO-262	Single	General Purpose	N	No	No	100	20	58	41	100	50	14.5		4.1	1250	25	19*	6*	7.5	15		
AOW410		TO-262	Single	General Purpose	N	No	No	100	25	150	108	333	167	6.5	7.5*	4	6622	215	107*	40	28	43.5		
AOW418		TO-262	Single	General Purpose	N	No	No	100	25	105	82	333	167	10	12*	3.9	4334	131	69*	22*	21	38		
AOW2918	NEW	TO-262	Single	General Purpose	N	No	No	100	20	90	70	267	133	7		3.9	2580	37	38*	12	17	30		
AOW480		TO-262	Single	General Purpose	N	No	No	80	25	180	134	333	167	4.5	5.5*	4	6520	310	116*	38*	31.5	46		
AOW482		TO-262	Single	General Purpose	N	No	No	80	25	105	82	333	167	7.2	9*	3.7	4054	160	66.8*	20.2*	26	48		
TO-262F																								
AOWF9N70	NEW	TO-262F	Single	High Voltage	N	No	No	700	30	9	5.8	28		1200		4.5	1357	7.4	28.5*	11.6*	35	76		
AOWF11N70	NEW	TO-262F	Single	High Voltage	N	No	No	700	30	11	7.2	28		870		4.5	1793	10.5	37.5*	15*	42	103		
AOWF7S65	NEW	TO-262F	Single	High Voltage	N	No	No	650	30	7	5	25		650		4	434	17.5	9.2*	2.7*	21	55		
AOWF11S65	NEW	TO-262F	Single	High Voltage	N	No	No	650	30	11	8	28		399		4	646	1.1	13.2*	4.3*	25	77		
AOWF12N65		TO-262F	Single	High Voltage	N	No	No	650	30	12*	7.7*	28	0.22	720		4.5	1792	11.5	39.8*	16.8*	36	120		
AOWF15S65	NEW	TO-262F	Single	High Voltage	N	No	No	650	30	15	10	28		290		4	841	1.1	17.2*	5.3*	27	90		
AOTF18N65		TO-262F	Single	High Voltage	N	No	No	650	30	12*	18*	50	0.4	400		4.5	3027	22	56*	19.6*	54	149		
AOWF25S65	NEW	TO-262F	Single	High Voltage	N	No	No	650	30	25	16	28		190		4	1278	1.4	26.4*	9.5*	29	112		
AOWF4N60	NEW	TO-262F	Single	High Voltage	N	No	No	600	30	4	2.6	25		2300		4.5	528	4.8	12	4.4	17	34		
AOWF4S60		TO-262F	Single	High Voltage	N	No	No	600	30	4*	3.7*	25	0.2	900		4.1	263	0.75	6*	1.8*	18*	40		
AOWF7S60	NEW	TO-262F	Single	High Voltage	N	No	No	600	30	7	5	25		600		3.9	372	1.2	8.2	2.8	19	20		
AOWF10N60		TO-262F	Single	High Voltage	N	No	No	600	30	10	7.2	28	0.22	750		4.5	1320	9.3	31*	14.4*	28	76		
AOTF11S60		TO-262F	Single	High Voltage	N	No	No	600	30	11*	8*	38	0.3	399		4.1	545	1.42	11*	3.8*	20	59		
AOWF11S60		TO-262F	Single	High Voltage	N	No	No	600	30	11*	8*	28	0.22	399		4.1	545	1.42	11*	3.8*	20	59		
AOWF12N60		TO-262F	Single	High Voltage	N	No	No	600	30	12*	9.7*	28	0.22	550		4.5	1751	13	40*	17.9*	39	122		
AOWF15S60	NEW	TO-262F	Single	High Voltage	N	No	No	600	30	15	10	27.5		290		3.8	717	1.3	15.6*	6*	24.5	84		
AOTF20S60		TO-262F	Single	High Voltage	N	No	No	600	30	20*	14*	50	0.4	199		4.1	1038	2.1	19.8*	7.6*	27.5	87.5		
AOTF20S60L		TO-262F	Single	High Voltage	N	No	No	600	30	20*	14*	37.8	0.3	199		4.1	1038	2.1	19.8*	7.6*	27.5	87.5		
AOWF20S60		TO-262F	Single	High Voltage	N	No	No	600	30	20*	14*	28	0.22	199		4.1	1038	2.1	19.8*	7.6*	27.5	87.5		
AOWF8N50	NEW	TO-262F	Single	High Voltage	N	No	No	500	30	8	6	27.8		850		4.5	868	7.8	23.6*	10.6*	19.5	51.5		
AOWF12N50		TO-262F	Single	High Voltage	N	No	No	500	30	12*	8.4*	28	0.22	520		4.5	1361	12.6	30.7*	13*	29	82		
AOWF14N50		TO-262F	Single	High Voltage	N	No	No	500	30	14*	11*	28	0.22	380		4.5	1914	16	42.8*	20.3*	44	92		
AOWF412		TO-262F	Single	General Purpose	N	No	No	100	25	30	20	33	16	15.8		3.8	2680	100	45	15	19	27		
AOWF240L	NEW	TO-262F	Single	General Purpose	N	No	No	40	20	83	59	33.3	16.7	2.6	3.5	2.2	3510	68	22	7	11	38		

* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)	V _{GS} (±V)	I _D (A)		P _D (W)		R _{DS(ON)} (mΩ max) at V _{GS} =				V _{GS(th)} (max V)	C _{iss} (pF)	C _{rss} (pF)	Q _g * (nC)	Q _{gd} (nC)	T _{d(on)} (ns)	T _{d(off)} (ns)
										25°C	70°C	25°C	70°C	10V	4.5V	2.5V	1.8V							
TO-263																								
AOB7S65	NEW	TO-263	Single	High Voltage	N	No	No	650	30	7	5	104	650			4	434	17.5	9.2*	2.7*	21	55		
AOB11S65	NEW	TO-263	Single	High Voltage	N	No	No	650	30	11	8	198	399			4	646	1.1	13.2*	4.3*	25	77		
AOB15S65	NEW	TO-263	Single	High Voltage	N	No	No	650	30	15	10	204	290			4	841	1.1	17.2*	5.3*	27	90		
AOB25S65	NEW	TO-263	Single	High Voltage	N	No	No	650	30	25	16	357	190			4	1278	1.4	26.4*	9.5*	29	112		
AOB4S60		TO-263	Single	High Voltage	N	No	No	600	30	4	3.7	83	0.67	900		4.1	263	0.75	6*	1.8*	18	40		
AOB7S60	NEW	TO-263	Single	High Voltage	N	No	No	600	30	7	5	104	600			3.9	372	1.2	8.2*	2.8*	19	50		
AOB10N60		TO-263	Single	High Voltage	N	No	No	600	30	10	7.2	250	2	750		4.5	1320	9.3	31	14.4	28	76		
AOB11S60L		TO-263	Single	High Voltage	N	No	No	600	30	11	8	178	1.4	399		4.1	545	1.42	11*	3.8*	20	59		
AOB15S60	NEW	TO-263	Single	High Voltage	N	No	No	600	30	15	10	208	290			3.8	717	1.3	15.6*	6*	24.5	84		
AOB20S60L		TO-263	Single	High Voltage	N	No	No	600	30	20	14	266	2.1	199		4.1	1038	2.1	19.8*	7.6*	27.5	87.5		
AOB27S60L		TO-263	Single	High Voltage	N	No	No	600	30	27	17	357	2.9	160		4	1294	2.3	26*	8.8*	31	99		
AOB12N50		TO-263	Single	High Voltage	N	No	No	500	30	12	8.4	250		520		4.5	1361	12.6	30.7	13	29	82		
AOB14N50		TO-263	Single	High Voltage	N	No	No	500	30	14	11	278		380		4.5	1914	16	44	29	44	92		
AOB290L	NEW	TO-263	Single	General Purpose	N	No	No	100	20	140	440	500	250	3.2		4.1	7180	42	90*	21	31	45		
AOB298L	NEW	TO-263	Single	General Purpose	N	No	No	100	20	58	41	100	50	14.5		4.1	1250	25	19*	6*	7.5	15		
AOB410L		TO-263	Single	General Purpose	N	No	No	100	25	150	108	333	167	6.2	7.2*	4	6622	215	107*	40	28	43.5		
AOB412L		TO-263	Single	General Purpose	N	No	No	100	25	60	44	150	75	15.5	19.1*	3.8	2680	100	45*	15	19	27		
AOB414		TO-263	Single	General Purpose	N	No	No	100	25	51	36	150	75	25	31*	4	1770	55	28*	10	12	17		
AOB416		TO-263	Single	General Purpose	N	No	No	100	25	45	32	150	75	36	43	4	1180	36	20*	6.3	10	15		
AOB418L		TO-263	Single	General Purpose	N	No	No	100	25	105	82	333	167	9.7	11.7*	3.9	4334	131	69*	22*	21	38		
AOB1100L	NEW	TO-263	Single	High Voltage	N	No	No	100	20	130	92	500	250	11.7		3.8	4833	35	82*	19*	21	50		
AOB2918L	NEW	TO-263	Single	General Purpose	N	No	No	100	20	90	70	267	133	7		3.9	2580	37	38*	12	17	30		
AOB480L		TO-263	Single	SMPS	N	No	No	80	25	180	134	333	167	4.2	5.2*	4	6520	310	116*	38	31.5	46		
AOB482L		TO-263	Single	General Purpose	N	No	No	80	25	105	82	333	167	6.9	8.7*	3.7	4054	160	66.8*	20.2*	26	48		
AOB470L		TO-263	Single	General Purpose	N	No	No	75	25	100	78	268	134	10.2		4	4700	180	114*	18	21	70		
AOB260L		TO-263	Single	General Purpose	N	No	No	60	20	140	110	330	165	2.2	2.5*	3.2	11800	40	150*	15	30	74		
AOB262L		TO-263	Single	General Purpose	N	No	No	60	20	140	110	333	167	2.8	3*	3.2	8140	32	95*	5*	27	47		
AOB264L		TO-263	Single	General Purpose	N	No	No	60	20	140	110	333	167	3	3.3	3.2	6960	30	78*	5*	23	45		
AOB266L		TO-263	Single	General Purpose	N	No	No	60	20	140	110	268	134	3.2	3.8*	3.2	5650	20	65*	7*	21	36		
AOB440		TO-263	Single	SMPS	N	No	No	60	20	55	55	150	75	7.5		4	3800	190	33	19	18	44		
AOB462L		TO-263	Single	General Purpose	N	No	No	60	20	35	27	100	50	18		4	1840	80	27.8	6.6	12	38		
AOB466L		TO-263	Single	General Purpose	N	No	No	60	25	180	140	333	167	3.6		5	5607	485	108*	46*	31	41		
AOB1606L		TO-263	Single	Rugged Planar	N	No	No	60	20	178	126	417	208	6		3.7	3735	69	85	24	18	60		
AOB1608L		TO-263	Single	Rugged Planar	N	No	No	60	20	140	100	333	166	7.3		3.7	3069	56	69	21	18	47		
AOB1404L		TO-263	Single	Rugged Planar	N	No	No	40	20	220	157	417	208	3.9		3.7	3568	151	71	23	16	54		
AOB210L		TO-263	Single	General Purpose	N	No	No	30	20	105	72	176	88	2.6	3.5	2.2	3520	90	22	7	11	38		
AOB240L		TO-263	Single	General Purpose	N	No	No	40	20	105	82	176	88	2.6	3.5	2.2	3510	68	22	7	11	38		
AOB4184		TO-263	Single	Load Switch	N	No	No	40	20	50	24	50	25	10	13	3	1500	135	13.6	6.4	6.4	29.6		
AOB442		TO-263	Single	SMPS	N	No	No	40	20	105	82	150	75	4.2	5.3	2.3	4666	269	36	17	15	52		
AOB409L	NEW	TO-263	Single	General Purpose	P	No	No	-60	20	-31.5	-22	83.3	41.6	38	50	-2.4	2461	120	19.7	8.9	12	38		
AOB411L		TO-263	Single	General Purpose	P	No	No	-60	20	-78	-55	187	93	40	18	-2.5	5330	234	40	18	17.5	83.5		

* Q_g measured with V_{gs} = 10V. In all other cases V_{gs} = 4.5V.

PACKAGE TYPES

AOS delivers advanced package technologies that meet the ever-increasing performance and power efficiency requirements of our customers. We offer a range of package options to support a wide spectrum of end-applications, from handheld, to computing, to high power industrial applications.



DFN 1.0x0.6



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DFN 2x2 Dual



DFN 2x5



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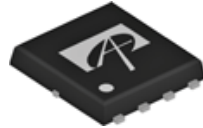
DFN 3x3



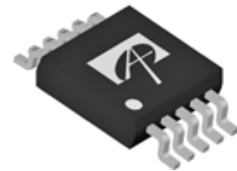
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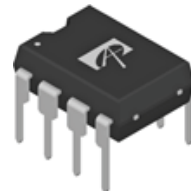
DFN 5x4



DFN 5x6



MSOP-10



PDIP-8



QFN 2.1x1.6



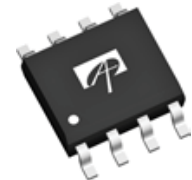
SC-70



SC-70-5L



SC-89-6L



SO-8



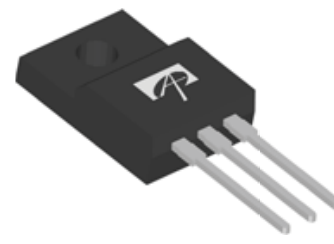
SOT-23



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TO-220



TO-220F



DPAK (TO-252)



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