



ALPHA & OMEGA
SEMICONDUCTOR

Selector Guide

Q2/Q3 2008





Technology. Innovation. Powering the Future.

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CORPORATE OVERVIEW

Alpha & Omega Semiconductor designs, develops and manufactures leading-edge discrete and analog power management IC solutions. We offer a comprehensive portfolio of Power MOSFET, Power IC, and Transient Voltage Suppressor (TVS) products that meet the complex power requirements of today's advanced electronic systems and consumer electronics.

Technology

We specialize in designing innovative analog semiconductors for applications requiring a smaller product size with maximum efficiency and overall performance. Our proprietary process, technology and packaging expertise allows us to design products with a greater price-to-performance ratio than that of our competitors.

AOS strives to achieve technology breakthroughs ahead of the market. We were the first semiconductor company to build power devices using submicron 200mm which enables our products to achieve higher levels of quality and performance.

Manufacturing

At AOS, we develop and execute streamlined processes for cost-effective, high-volume manufacturing. Our dense Trench MOSFET process technology provides leading-edge, low on-resistance per unit silicon area.

Also, by installing proprietary wafer processing and packaging technologies at partner foundries, our technical experts can monitor the manufacturing of advanced power products to guarantee top quality and high performance at low costs.

Quality and Green Commitment

AOS is committed to providing environmentally friendly products that not only meet RoHS standards, but are also available in Halogen- and Antimony-free options upon request.

AOS' global success is attributed to the superior performance and value of solutions that it offers to customers.



MOSFETs

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.

Technologies including the popular SRFET™, that incorporates a monolithically integrated Schottky diode, provide significant efficiency and current-density benefits in power conversion applications.

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)
SC89								
AO5404E #	SC89-3	Single	Load Switch	N	Yes	No		20
AO5401E #	SC89-3	Single	Load Switch	N	Yes	No		-20
AO5800E #	SC89-6	Dual	Load Switch	N	Yes	No		60
AO5804E #	SC89-6	Dual	Load Switch	N	Yes	No		20
AO5803E #	SC89-6	Dual	Load Switch	P	Yes	No		-20
AO5600E #	SC89-6	Complementary	Inverter	N	Yes	No		20
AO5600E #	SC89-6	Complementary	Inverter	P	Yes	No		-20
SC70								
AO7400	SC70-3	Single	General Purpose	N	No	No		30
AO7414 #	SC70-3	Single	General Purpose	N	No	No		20
AO7408	SC70-6	Single	General Purpose	N	No	No		20
AO7402	SC70-3	Single	General Purpose	N	No	No		20
AO7404	SC70-3	Single	General Purpose	N	Yes	No		20
AO7411	SC70-6	Single	General Purpose	P	No	No		-20
AO7415	SC70-6	Single	General Purpose	P	Yes	No		-20
AO7413	SC70-3	Single	General Purpose	P	Yes	No		-20
AO7407	SC70-3	Single	General Purpose	P	No	No		-20
AO7403	SC70-3	Single	General Purpose	P	Yes	No		-20
AO7401	SC70-3	Single	General Purpose	P	No	No		-30
AO7405	SC70-6	Single	General Purpose	P	No	No		-30
AO7800	SC70-6	Dual	General Purpose	N	Yes	No		20
AO7801	SC70-6	Dual	General Purpose	P	No	No		-20
AO7600	SC70-6	Complementary	Inverter	N	Yes	No		20
AO7600	SC70-6	Complementary	Inverter	P	Yes	No		-20
SOT23								
AO3460 #	SOT-23	Single	Load Switch	N	Yes	No		60
AO3422	SOT-23	Single	General Purpose	N	No	No		55
AO3400A #	SOT-23	Single	General Purpose	N	No	No		30
AO3404A #	SOT-23	Single	General Purpose	N	No	No		30
AO3402	SOT-23	Single	General Purpose	N	No	No		30
AO3434 #	SOT-23	Single	Battery Protection	N	Yes	No		30
AO3424	SOT-23	Single	General Purpose	N	No	No		30
AO3406	SOT-23	Single	General Purpose	N	No	No		30
AO3416	SOT-23	Single	Load Switch	N	Yes	No		20
AO3420	SOT-23	Single	Load Switch	N	No	No		20
AO3414	SOT-23	Single	General Purpose	N	No	No		20
AO3438 #	SOT-23	Single	Load Switch	N	No	No		20
AO3702 #	SOT-23-5	Single	SMPS	N	No	Yes	1A	20

New

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



V _{GS} (±V)	I _{DS} (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							
8	0.5	0.5	0.38	0.24		550	680	800	1	35	6			4.5	78
8	-0.5	-0.45	0.38	0.24		800	1000	1300	-0.45	72	9			90.5	612
20	0.4	0.3	0.4	0.24	1600	1900			2.5	41	6			39.2	261
8	0.5	0.5	0.38	0.24		550	680	800	1	35	6	0.63	0.16	4.5	78
8	-0.6	-0.4	0.4	0.24		800	1000	1250	-0.9	72	9			60.5	612
8	0.6	0.4	0.38	0.24		650	750	950	1	35	6			4.5	70
8	-0.5	-0.4	0.38	0.24		800	1000	1300	1	72	9			60.5	612
12	1.7	1.3	0.35	0.22	85	100	140		1.4	390	41	4.82	1.58	2.5	22
8	2	1.5	0.35	0.22		62	70	85	1	260	27	*2.9	0.6	2.5	21
8	2.2	1.75	0.625	0.4		70	85	110	0.8	458	54	6.05	1.45	7.3	40
8	1.6	1.2	0.35	0.22		90	105	130	0.8	458	54	6.05	1.45	7.3	40
8	1	0.75	0.35	0.22		225	290	425	0.8	101	14	1.57	0.36	3.2	15.5
8	-1.8	-1.5	0.625	0.4		120	150	200	-0.8	524	73	6.24	1.84	10.5	54.5
12	-2	-1.6	0.625	0.4	100	125	170		-1.4	512	62	4.9	3.7	11	34
12	-1.4	-1.2	0.35	0.22	113	135	180		-1.4	512	62	4.9	3.7	11	34
8	-1.2	-1	0.35	0.22		135	170	220	-1	540	49	6.2	1.44	12	74
8	-0.7	-0.5	0.35	0.22		470	625	900	-0.9	114	14	1.44	0.35	6.5	18.2
12	-1.2	-1	0.35	0.22	150	200	280		-1.4	409	42	5.06	1.58	6.2	41.2
12	-1.6	-1.3	0.625	0.4	150	200	280		-1.4	409	42	5.06	1.58	6.2	41.2
8	0.9	0.7	0.3	0.19		235	310	415	0.8	101	14	1.57	0.36	3.2	15.5
8	-0.6	-0.48	0.3	0.19		520	700	950	-0.9	114	14	1.44	0.35	6.5	18.2
8	0.9	0.7	0.3	0.19		300	350	450	0.9	101	14	1.57	0.36	3.2	15.5
8	-0.6	-0.48	0.3	0.19		550	700	950	-0.9	114	14	1.44	0.35	6.5	18.2
20	0.65	0.5	1.4	0.9	1700	2000			2.5	22	2			5.3	19.7
12	2.1	1.7	1.25	0.8		160	200		2	214	12.6	2.6	0.8	2.3	16.5
12	5.7	4.7	1.4	0.9	26.5	32			1.5	900	65	10	3.75	3.2	21.5
20	5.8	4.9	1.4	0.9	28	42			3	621	85	5.7	3	4.5	15.1
12	4	3.4	1.4	1	55	70	110		1.4	390	41	4.34	1.38	3.3	21.7
20	3.5	2.8	1	0.64	52	75			1.8	269	41	3	0.65	2.6	15.2
12	2	2	1.4	0.9	80	95	157		1.8	226	29	2.6	0.5	2.6	14.5
20	3.6	2.9	1.4	0.9	65	105			3	288	39	3.1	1.6	4.6	20.1
8	6.5	5.2	1.4	0.9		22	26	34	1	1160	146	16	3.8	6.2	51.7
12	6	5	1.4	0.9	24	27	42	55	1	630	137	8.8	3.7	5.5	29
8	4.2	3.2	1.4	0.9		50	63	87	1	436	44	6.2	0.5	5.5	40
8	3	2.5	1.4	0.9		62	70	85	1	260	27	*2.9	0.6	2.5	21
8	3.5	2.7	1.15	0.7		62	70	85	1	260	27	*2.9	0.6	2.5	21

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)
AO3415	SOT-23	Single	General Purpose	P	Yes	No		-20
AO3419	SOT-23	Single	General Purpose	P	Yes	No		-20
AO3413	SOT-23	Single	General Purpose	P	No	No		-20
AO3703	SOT-23-5	Single	General Purpose	P	No	Yes	0.5A	-20
AO3701	SOT-23-5	Single	General Purpose	P	Yes	No		-20
AO3423	SOT-23	Single	General Purpose	P	No	No		-20
AO3401A	SOT-23	Single	General Purpose	P	No	No		-30
AO3407A #	SOT-23	Single	General Purpose	P	No	No		-30
AO3403	SOT-23	Single	General Purpose	P	No	No		-30
AO3409	SOT-23	Single	General Purpose	P	No	No		-30
AO3421	SOT-23	Single	General Purpose	P	No	No		-30
TSOP6								
AO6420 #	TSOP-6	Single	General Purpose	N	No	No		60
AO6414	TSOP-6	Single	General Purpose	N	No	No		55
AO6400	TSOP-6	Single	General Purpose	N	No	No		30
AO6402A #	TSOP-6	Single	General Purpose	N	No	No		30
AO6704	TSOP-6	Single	SMPS	N	No	Yes	1A	30
AO6706	TSOP-6	Single	SMPS	N	No	Yes	1A	30
AO6404	TSOP-6	Single	Load Switch	N	No	No		20
AO6408	TSOP-6	Single	General Purpose	N	Yes	No		20
AO6700	TSOP-6	Single	SMPS	N	No	Yes	1A	20
AO6702	TSOP-6	Single	SMPS	N	No	Yes	1A	20
AO6409	TSOP-6	Single	Load Switch	P	Yes	No		-20
AO6415	TSOP-6	Single	Load Switch	P	Yes	No		-20
AO6401A #	TSOP-6	Single	General Purpose	P	No	No		-30
AO6403	TSOP-6	Single	General Purpose	P	No	No		-30
AO6405	TSOP-6	Single	General Purpose	P	No	No		-30
AO6701	TSOP-6	Single	SMPS	P	No	Yes	1A	-30
AO6800	TSOP-6	Dual	General Purpose	N	No	No		30
AO6802	TSOP-6	Dual	General Purpose	N	No	No		30
AO6810 #	TSOP-6	Dual	Load Switch	N	No	No		30
AO6801	TSOP-6	Dual	General Purpose	P	No	No		-30
AO6601	TSOP-6	Complementary	Inverter	N	No	No		30
AO6601	TSOP-6	Complementary	Inverter	P	No	No		-30
AO6602	TSOP-6	Complementary	Inverter	N	No	No		30
AO6602	TSOP-6	Complementary	Inverter	P	No	No		-30
AO6604	TSOP-6	Complementary	Inverter	N	No	No		20
AO6604	TSOP-6	Complementary	Inverter	P	No	No		-20
AO6605	TSOP-6	Complementary	Load Switch	N	No	No		20
AO6605	TSOP-6	Complementary	Load Switch	P	No	No		-20
AO6804A #	TSOP-6	Common Drain	Load Switch	N	No	No		20

New

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

V _{GS} (±V)	I _{DS} (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							
8	-4	-3.5	1.4	0.9		43	54	73	-1	1450	160	17.2	4.5	9.5	94
12	-3.5	-2.8	1.4	0.9	75	95	145		-1.4	512	62	5.5	1.9	5	28
8	-3	-2.4	1.4	0.9		97	130	190	-1	540	49	6.1	1.6	10	44
8	-2.7	-2.1	1.14	0.72		97	130	190	-1	540	49	6.1	1.6	10	44
12	-3	-2.3	1.14	0.72	80	100	145		-1.4	512	62	5.5	1.9	5	28
12	-2	-2	1.4	0.9	92	118	166		-1.4	512	62	5.5	1.9	5	28
12	-4.3	-3.8	1.4	0.9	44	55	80		-1.3	933	81	9.3	3.7	5.2	42
20	-4.3	-3.5	1.4	0.9	48	78			-2.5	668	92	6.4	4	7.7	20
12	-2.6	-2.2	1.4	1	130	180	260		-1.4	409	42	4.4	1.32	5.3	31.5
20	-2.6	-2.2	1.4	1	130	200			-3	302	37.8	2.4	0.95	7.5	17
20	-2.6	-2.2	1.4	1	130	200			-3	302	37.8	2.4	0.95	7.5	17
20	4.2	3.4	2	1.28	60	75			3	450	25	4.3	2.2	5.1	15.9
12	2.3	1.9	1.56	1.1		160	200		2	214	12.6	2.6	0.8	2.3	16.5
12	6.9	5.8	2	1.44	28	33	52		1.4	823	77	9.6	3	5.5	37
20	7	5.6	2	1.28	27	40			2.5	621	85	5.7	3	4.5	15.1
12	3.6	2.9	1.39	0.89	65	75	160		1.8	226	29	3	0.55	2.6	14.5
12	3.3	2.6	1.15	0.7	65	75	160		1.8	226	29	3	0.55	2.6	14.5
12	8.6	6.8	2	1.28	17	18	24	33	1	1810	200	17.9	4.7	2.5	49
12	8.8	7	2	1.28	18	20	25	32	1	1810	200	17.9	4.7	3.3	44
8	4.1	3.3	1.39	0.89		50	65	95	1	449	51.6	5.9	1.3	4.5	32.7
8	3.8	3	1.15	0.7		50	65	95	1	449	51.6	5.9	1.3	4.5	32.7
8	-5	-4.2	2	1.28		45	56	75	-1	1450	160	17.2	4.5	9	91
12	-3.3	-2.7	1.25	0.8	75	100	150		-1.4	512	62	4.9	1.2	11	34
12	-5	3.7	1.6	1	44	55	82		-1.5	943	73	9.8	3.3	5.2	42
20	-6	-5	2	1.44	35	58			-2.4	920	122	9.6	4.5	7.7	20.2
20	-5	-4.2	2	1.4	52	87			-3	700	75	7.6	3.8	8.3	29
12	-2.3	-1.8	1.15	0.7	135	185	265		-1.4	409	42	4.9	1.6	6.9	38.5
12	3.4	2.7	1.15	0.73	60	75	115		1.4	390	41	4.96	1.72	6.8	35.2
20	3.1	2.4	1.15	0.73	75	115			3	200	20	3.1	1.6	3.3	13.2
20	3.1	2.4	1.15	0.73	77	120			1.9	200	20	3.2	1.6	3.4	13.2
12	-2.3	-1.8	1.15	0.73	135	185	265		-1.4	409	42	4.9	1.6	6.9	38.5
12	3.4	2.7	1.15	0.73	60	75	115		1.4	390	41	4.34	0.6	4	22
12	-2.3	-1.8	1.15	0.73	135	185	265		-1.4	409	42	4.8	0.72	13	28
20	3.1	2.4	1.15	0.73	75	115			3	200	20	3.1	1.6	3.3	13.2
20	-2.7	-2.1	1.15	0.73	100	180			-3	260	44	3	1.6	7	15
8	3.4	2.7	1.15	0.73		60	75	100	1	436	44	6.2	0.5	5.5	40
8	-2.5	-2	1.15	0.73		110	140	200	-1	540	49	6.1	1.6	10	44
8	1.7	1.4	1.15	0.73		200	270	400	0.9	101	14	1.6	0.4	3.2	15.5
8	-2.5	-2	1.15	0.73		97	130	190	-1	540	49	6.1	1.6	12	49
12	4	3.2	0.8	0.5		28	39		1	580	70	*5.8	1.6	2.4	38



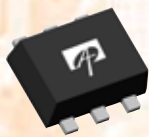


Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)
DFN2x3								
AON4703	DFN 2x3	Single	Load Switch	P	No	Yes	1A	-20
AON4413 #	DFN 2x3	Single	Load Switch	P	No	No		-30
AON4803 #	DFN 2x3	Dual	Load Switch	P	No	No		-20
AON4605 #	DFN 2x3	Complementary	Inverter	N	No	No		30
AON4605 #	DFN 2x3	Complementary	Inverter	P	No	No		-30
AON4604 #	DFN 2x3	Complementary	Inverter	N	No	No		20
AON4604 #	DFN 2x3	Complementary	Inverter	P	No	No		-20
DFN3x3								
AON3702	DFN 3x3	Single	SMPS Low Side	N	No	Yes	SRFET	30
AON3406	DFN 3x3	Single	General Purpose	N	Yes	No		30
AON3408 #	DFN 3x3	Single	General Purpose	N	No	No		30
AON3402	DFN 3x3	Single	General Purpose	N	Yes	No		20
AON3814 #	DFN 3x3	Common Drain	Battery Protection	N	Yes	No		20
AON3816 #	DFN 3x3	Common Drain	Battery Protection	N	Yes	No		20
AON3806	DFN 3x3	Common Drain	Battery Protection	N	Yes	No		20
AON3810	DFN 3x3	Common Drain	Battery Protection	N	Yes	No		20
DFN3x3EP (Exposed Drain Pad)								
AON7700 #	DFN 3x3	Single	SMPS	N	No	Yes	SRFET	30
AON7702 #	DFN 3x3	Single	SMPS	N	No	Yes	SRFET	30
AON7400 #	DFN 3x3	Single	SMPS	N	No	No		30
AON7406 #	DFN 3x3	Single	SMPS	N	No	No		30
AON7704 #	DFN 3x3	Single	SMPS	N	No	No		30
AON7408 #	DFN 3x3	Single	SMPS High Side	N	No	No		30
DFN2x5								
AON5802	DFN 2x5	Common Drain	Battery Protection	N	Yes	No		30
AON5808 #	DFN 2x5	Common Drain	Battery Protection	N	Yes	No		20
AON5810	DFN 2x5	Common Drain	Battery Protection	N	Yes	No		20
TSSOP8								
AO8403	TSSOP-8	Single	Load Switch	P	Yes	No		-20
AO8701	TSSOP-8	Single	Load Switch	P	No	Yes	1A	-30
AO8808A	TSSOP-8	Dual	Battery Protection	N	Yes	No		20
AO8803	TSSOP-8	Dual	Load Switch	P	Yes	No		-12
AO8801	TSSOP-8	Dual	Load Switch	P	Yes	No		-20
AO8818	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		30
AO8804	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20
AO8810	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20
AO8846 #	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20
AO8842 #	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20
AO8820	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20
AO8822	TSSOP-8	Common Drain	Battery Protection	N	No	No		20
AO8830	TSSOP-8	Common Drain	Battery Protection	N	Yes	No		20
DFN5x6								
AON6708 #	DFN 5x6	Single	SMPS	N	No	Yes	SRFET	30
AON6710 #	DFN 5x6	Single	SMPS	N	No	Yes	SRFET	30
AON6712 #	DFN 5x6	Single	SMPS	N	No	Yes	SRFET	30
AON6410 #	DFN 5x6	Single	SMPS	N	No	No		30

New

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

V _{GS} (±V)	I _{DS} (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							
8	-3.4	-2.7	1.7	1.1		90	120	160	-1	540	49	6.1	1.6	10	44
20	4.7	3.7	1.6	1	46	60			2.5	668	92	12.7	4	7.7	20
8	-3.4	-2.7	1.7	1.1		90	120	165	-1	540	49	6.1	1.6	10	44
20	4.3	3.4	1.9	1.2	65	115			3	238	30	3.1	1.6	3.3	13.2
20	-3.4	-2.7	1.9	1.2	110	180			-3	290	44	3	1.6	7	15
8	5.4	4.3	1.9	1.2		42	52	72	1	436	44	6.5	2.1	7	36.5
8	-3.8	-3	1.9	1.2		90	120	170	-1	540	49	5.9	1.9	11.5	37.5
12	11	8.8	3	1.9	14.5	18			1.9	1450	92	12	4.2	5.5	24
30	10	7.8	3	1.9	15	24			3	955	112	9	4.7	5	19
12	8.5	7.2	3	1.9	24	29	45		1.5	900	65	10	3.75	3.2	21.5
12	12	9.6	3	1.9	13	17	26		1	1810	200	17.9	4.7	2.5	4.9
12	6	5.3	2.4	1.5		17	24	39	1.1	1315	183	13.1	4.6	1000	5600
12	4	4	2.4	1.5		22	28		1.1	1315	183	15	4.6	1000	5600
12	6.8	5.4	1.9	1.2		26	35		1	615	120	8.5	3	7	29
12	7	6	2.2	1.4	24	29	39	55	1	280	35	5.2	1.9	280	2350
12	12	11	3.1	2	8.5	10			3	3395	185	25	8.4	11	38
20	13.5	10	3.1	2	10	14			3	2390	180	16	5.5	9	32
12	10	9	3.1	2	12.5	14.5			1.55	1210	85	10	2.7	10	21
20	11	8.8	3.1	2	15	23.5			3	955	112	9	4.7	5	19
20	10	7.5	3.1	2	20	31			3	696	80	6.1	2.7	2.6	17
20	9	7	3.1	2	22	34			3	621	85	6	3	4.5	15.1
12	7.2	5.6	1.7	1		20	30		1.5	1115	100	10.7	4.3	3.4	27.2
12	7.2	5.8	1.7	1	20	23	32	50	1	615	120	8.5	3	7	29
12	7.7	6.1	1.6	1		18	25	40	1	1360	178	13.1	3.9	6.2	40.5
8	-4	-3.5	1.5	1		42	52	70	-1	954	77	9.4	3	6.3	38.2
12	-4.2	-3.5	1.4	1	50	65	120		-1.3	1450	160	17.2	4.5	9.5	94
12	8	6.3	1.4	1	14	15	20	28	1	1160	146	16	3.8	6.2	51.7
8	-7	-5.8	1.4	0.9		18	22	29	-1	3960	757	36.6	10	15	158
8	-4.7	-3.7	1.4	0.9		42	53	70	-1	1450	160	17.2	4.5	9.5	94
12	7	5.5	1.5	0.96	18	20	27		1	630	137	9.3	3.6	5.7	31.5
12	8	6.3	1.5	1.08	13	14	19	27	1	1810	200	19.8	5	3.3	44
8	7	5.7	1.5	1		20	24	32	1	1810	200	17.9	4.7	2.5	49
8	7	5.7	1.5	1		20	22	27	1	1295	87	10	2.6	6.4	42
12	7	5.5	1.5	0.96	19.5	21	28.5	43	1	1026	157	12.4	3.5	0.96	7
12	7	5.5	1.5	0.96	21	24	32	50	1	1130	125	14	5.5	5.7	36
12	7	5.7	1.5	0.96	21	24	32	50	1	1060	90	14	4.6	8.7	36
12	6	4.8	1.5	0.94	27	30	41	55	1	290	40	5.2	1.9	280	2350
12	20	15	2.5	1.6	4.7	5.7			2.4	6430	352	44	13	17.5	56
20	19	15	2.5	1.6	4.7	6.7			2.4	3760	314	29	12	9.5	34
12	30	30	2.5	1.6	5.5	6.5			2.3	3940	255	35	12.4	9.5	45
12	14	11	4	2.6	12	14			2.5	1210	85	22	2.7	10	21

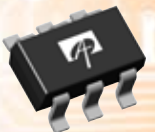


Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)
SO8								
AO4442	SO-8	Single	Display	N	No	No		75
AO4438	SO-8	Single	Display	N	No	No		60
AO4440	SO-8	Single	Display	N	No	No		60
AO4480 #	SO-8	single	Display	N	Yes	No		40
AO4450	SO-8	Single	Display	N	No	No		40
AO4488 #	SO-8	single	Load Switch	N	Yes	No		30
AO4456	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AO4714 #	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AO4430	SO-8	Single	General Purpose	N	No	No		30
AO4726 #	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AO4706	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AO4716 #	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AO4490 #	SO-8	single	Load Switch	N	Yes	No		30
AO4708	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AO4718 #	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AO4420A #	SO-8	Single	General Purpose	N	No	No		30
AO4476	SO-8	Single	SMPS	N	No	No		30
AO4720 #	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AO4474	SO-8	Single	SMPS High Side	N	No	No		30
AO4710	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AO4406	SO-8	Single	SMPS High Side	N	No	No		30
AO4468	SO-8	Single	SMPS	N	No	No		30
AO4722 #	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AO4712	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AO4724 #	SO-8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AO4466	SO-8	Single	SMPS High Side	N	No	No		30
AO4404B #	SO-8	Single	General Purpose	N	No	No		30
AO4437	SO-8	Single	Load Switch	P	Yes	No		-12
AO4409	SO-8	Single	Load Switch	P	No	No		-30
AO4447	SO-8	Single	Load Switch	P	Yes	No		-30
AO4413	SO-8	Single	Load Switch	P	No	No		-30
AO4423	SO-8	Single	Load Switch	P	Yes	No		-30
AO4407A #	SO-8	Single	Load Switch	P	No	No		-30
AO4427	SO-8	Single	Load Switch	P	Yes	No		-30
AO4435 #	SO-8	Single	Load Switch	P	No	No		-30
AO4433	SO-8	Single	Load Switch	P	Yes	No		-30
AO4419	SO-8	Single	General Purpose	P	No	No		-30
AO4449 #	SO-8	Single	Load Switch	P	No	No		-30
AO4415	SO-8	Single	Load Switch	P	No	No		-30
AO4403	SO-8	Single	General Purpose	P	No	No		-30
AO4459 #	SO-8	Single	Load Switch	P	No	No		-30
AO4701	SO-8	Single	SMPS Low Side	P	No	Yes	3A	-30
AO4425	SO-8	Single	Load Switch	P	Yes	No		-38
AO4443	SO-8	Single	Display	P	No	No		-40
AO4421	SO-8	Single	General Purpose	P	No	No		-60

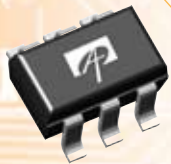
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* Qg measured with Vgs = 10V. In all other cases Vgs = 4.5V.

V _{GS} (±V)	I _{DS} (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							
25	3.1	2.5	2.5	1.6	130	165			3	303	17	*5.2	1.34	4.5	15.6
20	8.2	6.6	3.1	2	22	27			3	1920	116	24.2	14.4	8.2	29.7
20	5	4	2.5	1.6	55	75			2.5	450	25	4.3	2.2	5.1	15.9
20	14	11	3.1	2	11.5	15.5			3	1600	100	10.5	4.8	3.5	13.2
20	6.6	5.2	2.5	1.6	30	43			3	404	37	4.6	2.5	4.3	15
20	20	17	3.1	2	4	6.4			3	5450	540	84	21	13	49
12	20	16	3.1	2	4.6	5.6			2.4	6430	352	44	13	17.5	56
20	20	16	3	2	4.7	6.7			2.2	3760	314	29	12	9.5	34
20	18	15	3	2.1	5.5	7.5			2.5	6060	355	48	15	12	51.5
12	13	10	3.1	2	6	7			2.3	3940	255	35	12.4	9.8	45
12	16.5	13.2	3.1	2	6.8	8.2			2.4	4000	217	27	11	9	37
20	16.5	13	3.1	2	7	10			2	2154	185	17.8	7.6	6.8	25.2
20	16	13	2.8	1.8	7.2	10			2.5	1803	387	238	8.7	7.6	27
12	15	12	3.1	2	8.7	10.5			2.4	2800	145	19	6	7	31
20	15	12	3.1	2	9	14			2.5	1620	162	12	5.6	6.3	21.6
12	13.7	9.7	3.1	2	10.5	12			2	3656	168	30.5	8.6	5.5	49.8
20	15	12	3.7	2.4	10.5	17			2.5	1000	100	8.5	4.8	6	20
20	13	10.5	3.1	2	11	17.5			2	1267	118	10.4	3.6	5.2	21.2
12	13.4	10.7	3.7	2.4	11.5	13.5			2.5	1210	85	22	2.7	10	21
12	12.7	10	3.1	2	11.8	14.2			2.3	1980	111	15	6	5.5	27
12	11.5	9.6	3	2.1	14	16.5	26		1.5	1630	142	18	5.5	4	32
20	11.6	9.2	3.1	2	14	22			3	955	112	9	4.7	5	19
20	11.6	9.3	3.1	2	14	22			2.5	903	91	7.8	3.9	5	17.8
12	11.2	9.1	3.1	2	14.5	18			2.4	1450	92	12	4.2	5.5	24
20	10.5	8.5	3.1	2	17.5	29			2	696	81	6.1	2.7	2.6	17
20	9.4	7.7	3.1	2.1	23	35			3	621	85	5.7	3	4.5	15.1
12	8.5	7.1	2.8	1.8	24	30	48		1.5	900	65	10	3.75	3.3	21.5
8	-11	-9	3	2.1		16	20	25	-1	3960	757	37	11	15	158
20	-15	-12.8	3	2.1	7.5	12			-2.7	5270	745	51.5	23	14	76.5
20	-15	-13.6	3.1	2	7.5				-1.6	5500	473	45.2	19.4	12	100
25	-15	-12.8	3	2.1	8.5				-3.5	4360	762	*78	23.6	17.5	49
25	-15	-12.1	3.1	2	8.5				-3.5	4632	705	*82	23	18.5	55
25	-12	-10	3	2.1	13				-3	2060	295	*30	10.4	11	24
25	-12.5	-10.5	3	2.1	14				-3	2330	320	*41	12	12.8	49.5
25	-10	-8	3	2	18	36			-2.3	1130	155	9.5	3.3	8.7	18
25	-11	-9.7	3	2.1	18				-3.5	1760	255	*30	8	11.5	35
20	-9.7	-8.1	3	2.1	20	35			-2.7	1573	211	13.7	6.8	9.5	44.2
20	-7	-4.6	3.1	2	34	54			-3	980	115	9.6	4.8	7.7	20
25	-8	-6.6	3	2.1	35				-3.5	893	151	*16.6	5.2	10.5	15.1
12	-6.1	-5.1	3	2.1	46	61	117		-1.3	940	73	9.4	3	7.6	44.7
20	-6.5	-5.3	3.1	2	46	72			-2.5	668	92	6.4	4	7.7	20
12	-5	-4.2	2	1.44	49	64	120		-1.3	952	77	9.5	3.1	12	37
25	-14	-11	3.1	2	11				-3.5	3800	350	*63	16.1	12.4	97.5
20	-6.5	-5	3.1	2	42	63			-3	657	63	7.1	4.1	7.7	26.5
20	-6.2	-5	3.1	2	40	50			-3	2417	120	22.7	9.2	9.8	44



Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)
AO4441	SO-8	Single	Display	P	No	No		-60
AO4850 #	SO-8	Dual	Inverter	N	No	No		75
AO4826	SO-8	Dual	General Purpose	N	No	No		60
AO4828	SO-8	Dual	General Purpose	N	No	No		60
AO4840	SO-8	Dual	General Purpose	N	Yes	No		40
AO4944 #	SO-8	Dual	SMPS	N	No	Yes		30
AO4946 #	SO-8	Dual	SMPS	N	No	Yes		30
AO4818B #	SO-8	Dual	General Purpose	N	No	No		30
AO4822A	SO-8	Dual	General Purpose	N	No	No		30
AO4842 #	SO-8	Dual	General Purpose	N	No	No		30
AO4800B #	SO-8	Dual	General Purpose	N	No	No		30
AO4806	SO-8	Dual	General Purpose	N	Yes	No		20
AO9926B	SO-8	Dual	Battery Protection	N	No	No		20
AO4821	SO-8	Dual	Load Switch	P	Yes	No		-12
AO4815	SO-8	Dual	Load Switch	P	Yes	No		-30
AO4817	SO-8	Dual	Load Switch	P	Yes	No		-30
AO4813	SO-8	Dual	General Purpose	P	No	No		-30
AO4807	SO-8	Dual	General Purpose	P	No	No		-30
AO4801A #	SO-8	Dual	General Purpose	P	No	No		-30
AO4803A #	SO-8	Dual	General Purpose	P	No	No		-30
AO4611	SO-8	Complementary	Inverter	N	No	No		60
AO4611	SO-8	Complementary	Inverter	P	No	No		-60
AO4612	SO-8	Complementary	Inverter	N	No	No		60
AO4612	SO-8	Complementary	Inverter	P	No	No		-60
AO4614B #	SO-8	Complementary	Inverter	N	No	No		40
AO4614B #	SO-8	Complementary	Inverter	P	No	No		-40
AO4617	SO-8	Complementary	Inverter	N	Yes	No		40
AO4617	SO-8	Complementary	Inverter	P	Yes	No		-40
AO4616	SO-8	Complementary	Inverter	N	No	No		30
AO4616	SO-8	Complementary	Inverter	P	No	No		-30
AO4619 #	SO-8	Complementary	Inverter	N	No	No		30
AO4619 #	SO-8	Complementary	Inverter	P	No	No		-30
AO4620	SO-8	Complementary	Inverter	N	No	No		30
AO4620	SO-8	Complementary	Inverter	P	No	No		-30
AO4613	SO-8	Complementary	Inverter	N	Yes	No		30
AO4613	SO-8	Complementary	Inverter	P	Yes	No		-30
AO4615	SO-8	Complementary	Inverter	N	Yes	No		30
AO4615	SO-8	Complementary	Inverter	P	Yes + 1MR	No		-30
AO4607	SO-8	Complementary	Inverter	N	No	Yes	1A	30
AO4607	SO-8	Complementary	Inverter	P	No	No		-30
AO4624	SO-8	Complementary	Inverter	N	No	No		30
AO4624	SO-8	Complementary	Inverter	P	No	No		-30
AO4601	SO-8	Complementary	Load Switch	N	No	No		30
AO4601	SO-8	Complementary	Load Switch	P	No	No		-30
AO4622 #	SO-8	Complementary	Inverter	N	No	No		20

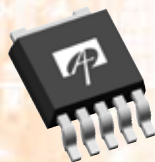


New

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

V _{GS} (±V)	I _{DS} (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							
20	-4	-3.1	3.1	2	100	130			-3	930	35	8	3.2	8	31.5
25	3.1	2.4	2	1.3	130	165			3	290	24	*5.14	1.18	4	14.4
20	6.3	5	2	1.28	25	30			3	1920	116	24.2	14.4	7.6	28.9
20	4.5	3.6	2	1.28	56	77			3	450	25	4.3	2.2	4.7	15.7
20	6	5	2	1.28	31	45			3	404	37	4.2	2.3	4.2	15.6
12	8.6	6.9	2	1.3	16	20			2.4	1450	92	12	4.2	5.5	24
12	8.6	6.9	2	1.3	16	20			2.4	1450	92	12	4.2	5.5	24
20	8.5	6.6	2	1.28	16	26			3	955	112	9	4.7	5	19
20	8.5	6.6	2	1.28	16	26			3	955	112	9	4.7	5	19
20	7.5	6.4	2	1.44	22	35			3	621	85	6	3	4.5	15.1
12	6.9	5.8	1.9	1.2	27	32	50		1.5	900	65	10	3.75	3.2	21.5
12	9.4	7.5	2	1.28	14	16	22	30	1	1810	200	17.9	4.7	3.3	44
12	7.6	6.1	2	1.8	23	26	34	52	1	630	137	8.8	3.7	5.5	29
8	-8	-6.7	2	1.28		18	22	29	-1	3960	757	37	11	15	158
25	-8	-6.9	2	1.44	20				-3	2330	320	*41	12	13	51
25	-8	-6.9	2	1.44	21				-3	1760	255	*30	8	12.5	40
20	-7.1	-5.6	2	1.28	25	40			-2.7	1573	211	16.1	4.4	9.5	44.2
20	-6	-5	2	1.44	35	58			-2.4	920	122	9.6	4.5	7.7	20.2
12	-5.6	-4.5	2	1.3	42	52	75		-1.3	933	81	9.3	3.7	5.2	42
20	-5	-4	2	1.3	46	74			-2.5	668	92	6.4	4	7.7	20
20	6.3	5	2	1.28	25	30			3	1920	116	24.2	14.4	7.6	28.9
20	-4.9	-3.9	2	1.28	42	52			-3	2417	120	22.8	9.6	9.8	44
20	4.5	3.6	2	1.28	56	77			3	450	25	4.3	2.2	4.7	15.7
20	-3.2	-2.6	2	1.28	105	135			-3	930	35	8	3.2	8	31.5
20	6	5	2	1.28	30	38			3	516	43	4.3	1.4	6.4	16.2
20	-5	-4	2	1.28	45	63			-3	940	72	7.9	3.2	6.2	44.8
20	6	5	2	1.28	32	45			3	506	38	4.1	2.7	4.8	17
20	-5	-4	2	1.28	48	75			-3	1006	77	8.9	4.6	9.7	35.5
20	8.5	6.5	2	1.28	20	28			3	1040	110	9.36	4.2	5.2	17.3
20	-7.1	-5.6	2	1.28	25	40			-2.7	1573	211	16.1	4.4	9.5	44.2
20	7.4	6	2	1.3	24	36			3	621	85	5.7	3	4.5	15.1
20	-5.2	-4.2	2	1.3	48	74			-3	680	86	6.4	4	7.7	20
20	7.2	6.2	2	1.44	24	36			3	660	87	5.7	3	4.5	15.1
20	-5.3	-4.5	2	1.44	38	60			-3	980	115	9.6	4.8	7.7	20
20	7.2	6.1	2	1.44	24	40			3	522	75	5.3	4	4.7	16.2
20	-6.1	-5.1	2	1.44	37	60			-3	1040	134	8.7	5	9	22.7
20	7.2	6.1	2	1.44	24	40			3	522	75	5.3	4	4.7	16.2
20	-5.7	-4.9	2	1.44	39	62			-3	1035	99	8.9	4.1	8	19.5
20	6.9	5.8	2	1.28	28	42			3	680	77	6.74	3.2	4.6	20.6
20	-6	-5	2	1.28	35	58			-2.4	920	122	9.6	4.5	7.7	20.2
20	6.9	5.8	2	1.44	28	42			3	737	73	6.74	3.2	4.6	20.6
20	-6	-5	2	1.44	35	58			-2.4	920	122	9.6	4.5	7.7	20.2
12	4.7	4	2	1.44	55	70	110		1.4	390	41	0.6	4.34	3.3	21.7
25	-8	-6.9	2	1.44	19				-3	2076	302	*39	11.4	12.7	25.2
16	7.3	6.2	2	1.44	23	30	84		2	900	105	7.2	2.8	4.5	18.7





Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)
AO4622 #	SO-8	Complementary	Inverter	P	No	No		-20
AO4930	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30
AO4930	SO-8	Asymmetric	SMPS	N	No			30
AO4938 #	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30
AO4938 #	SO-8	Asymmetric	SMPS	N	No			30
AO4926	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30
AO4926	SO-8	Asymmetric	SMPS	N	No			30
AO4918	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30
AO4918	SO-8	Asymmetric	SMPS	N	No			30
AO4940 #	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30
AO4940 #	SO-8	Asymmetric	SMPS	N	No			30
AO4922	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30
AO4922	SO-8	Asymmetric	SMPS	N	No			30
AO4924	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30
AO4924	SO-8	Asymmetric	SMPS	N	No			30
AO4932	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30
AO4932	SO-8	Asymmetric	SMPS	N	No			30
AO4928	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30
AO4928	SO-8	Asymmetric	SMPS	N	No			30
AO4936 #	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30
AO4936 #	SO-8	Asymmetric	SMPS	N	No			30
AO4948 #	SO-8	Asymmetric	SMPS	N	No	Yes	SRFET	30
AO4948 #	SO-8	Asymmetric	SMPS	N	No			30
UltraSO8								
AOL1454 #	Ultra SO8	Single	Inverter	N	Yes	No		40
AOL1422 #	Ultra SO8	Single	Load Switch	N	Yes	No		30
AOL1412	Ultra SO8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AOL1700 #	Ultra SO8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AOL1712 #	Ultra SO8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AOL1424 #	Ultra SO8	Single	SMPS	N	Yes	No		30
AOL1702	Ultra SO8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AOL1708 #	Ultra SO8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AOL1414	Ultra SO8	Single	SMPS High Side	N	No	No		30
AOL1418	Ultra SO8	Single	SMPS High Side	N	No	No		30
AOL1704	Ultra SO8	Single	SMPS Low Side	N	No	Yes	SRFET	30
AOL1428	Ultra SO8	Single	SMPS High Side	N	No	No		30
AOL1426	Ultra SO8	Single	SMPS High Side	N	No	No		30
AOL1440	Ultra SO8	Single	SMPS Low Side	N	No	No		25
AOL1432	Ultra SO8	Single	SMPS High Side	N	No	No		25
AOL1413 #	Ultra SO8	Single	Load Switch	P	Yes	No		-30
AOL1401	Ultra SO8	Single	Battery Protection	P	Yes	No		-38
PDIP8								
AOP806 #	PDIP-8	Dual	General Purpose	N	No	No		75
AOP802	PDIP-8	Dual	General Purpose	N	No	No		60
AOP804	PDIP-8	Dual	General Purpose	N	No	No		60
AOP800	PDIP-8	Dual	General Purpose	N	No	No		30
AOP606	PDIP-8	Complementary	Inverter	N	No	No		60

New

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

V _{GS} (±V)	I _{DS} (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							
12	-5	-4.2	2	1.44		53	87		-1.3	800	103	7.4	2.9	4.4	44
12	9.5	7.6	2	1.3	13.5	16			2.4	1980	111	15	6	5.5	27
20	9	7.2	2	1.3	15.8	23			2.3	955	112	9	4.7	5	19
20	9.6	7.7	2	1.3	13.5	19.5			2	1267	118	10.4	3.6	5.2	21.2
20	9	7.2	2	1.3	16	26			2.3	955	112	9	4.7	5	19
12	9.5	7.8	2	1.3	13.6	16			2.4	1980	111	15	6	5.5	27
12	7.3	5.9	2	1.3	24	29	48		1.5	900	65	10	3.75	3.2	21.5
12	9.3	7.4	2	1.28	14.5	18			2	3740	186	30.5	8.5	6	54.5
20	8.3	6.7	2	1.28	18	27			3	1040	110	9.36	4.2	5.2	17.3
20	9.1	7.3	2	1.3	15	23			2.5	903	91	7.8	3.9	5	17.8
20	7.5	6	2	1.3	23	36			2.5	621	85	5.7	3	4.5	15.1
12	9	7.2	2	1.3	15.8	18.5			2.4	1980	111	15	6	5.5	27
12	7.3	5.9	2	1.3	24	29	48		1.5	900	65	10	3.75	3.2	21.5
12	9	7.2	2	1.3	15.8	19.5			2.4	1450	92	12	4.2	5.5	24
12	7.3	5.9	2	1.3	24	29			1.5	900	65	10	3.75	3.2	21.5
12	9	7.2	2	1.3	15.8	19.6			2.4	1450	92	12	4.2	5.5	24
20	9	7.2	2	1.3	15.8	23			2.3	955	112	9	4.7	5	19
12	9	7.2	2	1.3	16	19.5			2.4	1450	92	12	4.2	5.5	24
12	7.3	5.9	2	1.3	24	29	48		1.5	900	65	10	3.75	3.2	21.5
20	8.8	7.1	2	1.3	16	22			2	1267	118	10.4	3.6	5.2	21.2
20	8.5	6.8	2	1.3	18	28			2.3	955	112	9	4.7	5	19
20	8.8	7.1	2	1.3	16	22			2	1267	118	10.4	3.6	5.2	21.2
20	8.5	6.8	2	1.3	18	28			2.3	955	112	9	4.7	5	19
20	17	13	5	3.2	9	13			3	1600	100	10.5	4.8	6.5	33
20	33	26	5	3	3.7	5.4			3	5450	540	84	21	13	49
12	27	21	5	3	3.9	4.6			2.4	6430	352	44	13	17.5	56
20	26	21	5	3.2	4.2	6			2.2	3760	314	29	12	9.5	34
12	15	12	100	50	4.5	5.5			2.5	3940	255	35	12.4	9.8	45
20	24	19	5	3	5.4	8			2.5	2520	273	25.8	13.2	7	33
12	21	17	5	3.2	5.8	7.2			2.4	4000	217	27	11	9	37
20	21	16.5	5	3.2	6.2	9.5			2	2154	185	17.8	7.6	6.8	25.2
12	21	17	5	3	6.5	7.5			2	2100	165	19.7	7.9	5.9	36.2
20	21	17	5	3	6.5	10.5			3	1320	154	13.3	6.6	7.2	22
12	18	14	4.3	2.8	7.8	9.8			2.4	2800	145	19	6	7	31
20	18	14	5	3	9.5	16			2.5	1000	100	8.5	4.8	5.6	18.5
12	15	12	4	2.6	10.5	13.5			2.5	1210	85	10	2.7	10	21
30	25	20	5	3	5.2				4	2100	400	*33	14	12	15
20	21	17	6	4	8.5	14			3	1430	215	13.5	7.75	6.5	22.7
25	-14	-11	5	3.2	17				-2.5	1760	255	11	8	11.5	35
25	-19	-15	5	3	10				-3.5	3800	350	*61.2	15.4	13.5	97
25	3.4	2.7	2.5	1.6	132	168			3	290	24	*5.1	1.2	4	14.4
20	7.9	6.3	3.1	2	25	30			3	1920	116	24.2	14.4	7.4	28.2
20	4.7	3.8	3.1	2	56	77			3	450	25	4.3	2.2	5.1	15.9
20	9	7.3	2.5	1.6	20	28			3	940	119	9	4.7	5	19
20	7.9	6.3	3.1	2	25	30			3	1920	116	24.2	14.4	7.4	28.2

Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)
AOP606	PDIP-8	Complementary	Inverter	P	No	No		-60
AOP607	PDIP-8	Complementary	Inverter	N	No	No		60
AOP607	PDIP-8	Complementary	Inverter	P	No	No		-60
AOP609	PDIP-8	Complementary	Inverter	N	Yes	No		60
AOP609	PDIP-8	Complementary	Inverter	P	Yes	No		-60
AOP608	PDIP-8	Complementary	Inverter	N	No	No		40
AOP608	PDIP-8	Complementary	Inverter	P	No	No		-40
AOP611	PDIP-8	Complementary	Inverter	N	Yes	No		40
AOP611	PDIP-8	Complementary	Inverter	P	Yes	No		-40
AOP610	PDIP-8	Complementary	Inverter	N	Yes	No	Yes	30
AOP610	PDIP-8	Complementary	Inverter	P	Yes	No		-30
AOP605	PDIP-8	Complementary	Inverter	N	No	No		30
AOP605	PDIP-8	Complementary	Inverter	P	No	No		-30
DPAK (TO252)								
AOD417	TO-252	Single	Inverter	P	No	No		-30
AOD450	TO-252	Single	Inverter	N	No	No		200
AOD464	TO-252	Single	General Purpose	N	No	No		105
AOD446	TO-252	Single	General Purpose	N	No	No		75
AOD442	TO-252	Single	General Purpose	N	No	No		60
AOD444	TO-252	Single	General Purpose	N	No	No		60
AOD486A #	TO-252	Single	Inverter	N	No	No		40
AOD454A #	TO-252	Single	General Purpose	N	No	No		40
AOD4132 #	TO-252	Single	SMPS Low Side	N	No	No		30
AOD492 #	TO-252	Single	SMPS Low Side	N	No	Yes	SRFET	30
AOD490 #	TO-252	Single	SMPS Low Side	N	No	Yes	SRFET	30
AOD4110 #	TO-252	Single	SMPS Low Side	N	No	No	SRFET	30
AOD4112 #	TO-252	Single	SMPS Low Side	N	No	No	SRFET	30
AOD496	TO-252	Single	SMPS	N	No	No		30
AOD494	TO-252	Single	SMPS	N	No	No		30
AOD484	TO-252	Single	SMPS	N	No	No		30
AOD480	TO-252	Single	General Purpose	N	No	No		30
AOD4102	TO-252	Single	SMPS	N	No	No		30
AOD4128 #	TO-252	Single	General Purpose	N	No	No		25
AOD4104	TO-252	Single	SMPS Low Side	N	No	No		25
AOD472	TO-252	Single	SMPS	N	No	No		25
AOD456	TO-252	Single	SMPS Low Side	N	No	No		25
AOD4106	TO-252	Single	SMPS Low Side	N	No	No		25
AOD452	TO-252	Single	SMPS High Side	N	No	No		25
AOD4100	TO-252	Single	SMPS High Side	N	No	No		25
AOD422	TO-252	Single	General Purpose	N	No	No		20
AOD4120	TO-252	Single	SMPS	N	No	No		20
AOD476 #	TO-252	Single	SMPS	N	No	No		20
AOD421	TO-252	Single	General Purpose	P	No	No		-20
AOD403	TO-252	Single	Load Switch	P	No	No		-30
AOD425 #	TO-252	Single	General Purpose	P	No	No		-30
AOD413A #	TO-252	Single	General Purpose	P	No	No		-40

New

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

V _{GS} (±V)	I _{DS} (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							
20	-6.1	-4.9	3.1	2	42	52			-2.4	2417	120	22.8	9.6	9.8	44
20	4.7	3.8	2.5	1.6	56	77			3	450	25	4.3	2.2	5.1	15.9
20	-3.4	-2.7	2.5	1.6	105	135			-3	930	35	8	3.2	8	31.5
20	4.7	3.8	2.5	1.6	60	75			3	474	60	2.5	1.4	5.4	17.2
20	-3.5	-2.9	2.5	1.6	115	140			-3	897	36	3.9	1.7	9	35
20	6.3	5	2.5	1.6	33	46			3	404	37	4.6	2.5	4.3	15
20	-5.5	-4.4	2.5	1.6	45	63			-3	657	63	7.1	4.1	7.7	26.5
20	6.5	5.3	2.5	1.6	35	47			3	506	38	4.1	2.6	4.8	17
20	-5.5	-4.4	2.5	1.6	52	80			-3	1006	77	8.8	4.6	9.7	35.5
20	7.7	6.1	2.3	1.45	24	42			3	543	76	5.3	1.9	4.7	16.2
20	-6.2	-4.9	2.3	1.45	39	56			-3	1040	134	8.7	5	9	22.7
20	7.5	6	2.5	1.6	28	43			3	680	77	6.74	3.2	4.6	20.6
20	-6.6	-5.3	2.5	1.6	35	58			-2.4	920	122	9.6	4.5	7.7	20.2
20	-25	-20	50	25	34	55			-3	920	90	8.2	3.6	8	22
30	3.8	2.7	25	12.5	700				6	215	7.2	*3.82	1.47	6.3	10.5
25	40	28	100	50	28				4	2038	85	*38.5	10	12.7	31.5
25	10	10	20	10	140	165			3	293	20	*5.2	1.34	4.6	14.7
20	38	27	60	30	20	25			3	1920	116	24.2	14.4	7.4	28.2
20	12	12	20	10	60	85			3	450	27	3.8	1.9	4.2	16
20	50	36	50	25	9.8	13			3	1600	100	10.5	4.8	6.5	33
20	12	12	37	18	30	40			3	516	43	8.3	1.6	6.4	16.2
20	85	63	100	50	4	6			3	3700	390	33	17.6	12	40
20	85	79	100	50	4.4	6.2			2.2	3760	314	29	12	9.5	3.4
12	40	40	63	31	6.8	8.3			2.4	4000	217	27	11	9	37
20	40	40	63	31	7.2	10.5			2	2154	185	17.8	7.6	6.8	25.2
20	20	20	50	25	9.5	14.5			2.5	1620	162	12	5.6	6.3	21.6
20	62	44	62.5	31	9.5	16			2.5	1000	340	18	4.8	5.6	18.5
12	55	39	63	31	11	13.5			2.5	1210	85	10	2.7	10	21
20	25	25	50	25	15	23			2.5	938	99	8.4	4.1	5	19
20	25	21	33	17	23	36			2.5	621	85	5.7	3	4.5	15.1
20	12	12	21	10	37	64			3	360	30	3.2	2.2	4.3	12.8
20	60		75		4	7			2.5	3578	438	29.8	12.9	11.6	45
30	75	75	100	50	5.4				4	2100	400	*40	14	12	15
20	50	50	50	25	6	9.5			2.5	2050	280	17	3.5	7.5	27
20	50	50	50	25	6	10			3	1850	275	15.7	8.2	7.5	30
30	50	50	75	38	8.1				4	1561	323	*22.5	10	12	17
20	55	55	50	25	8.5	14			3	1230	190	13.5	7.8	6.5	22.7
30	50	49	50	25	12				4	1100	200	*17	6.8	9.5	11.5
8	10	10	50	20		22	26	34	1	1160	146	16	3.8	6.2	51.7
16	25	23	33.3	16.7	18	25	75		2	900	105	7.2	2.8	4.5	18.7
16	25	23	33.3	16.7	21	28	79		2	900	105	7.2	2.8	4.5	18.7
12	-12.5	-8.9	18.8	9.4	75	95	145		-1.4	512	62	4.6	2.1	5.2	17
25	-85	-65	100	50	7.6				-3.5	4360	762	*93.2	29.2	18	51
25	-40	-30	50		17				-3.5	1760	255	11	8	11.5	16.5
20	-12	-12	50	25	44	66			-3	900	68	7.2	3.5	6.2	44.8





Part Number	Package	Configuration	Popular Application	Type	ESD Diode	Schottky Diode	Schottky Type	V _{DS} (V)
AOD409	TO-252	Single	General Purpose	P	No	No		-60
AOD407	TO-252	Single	General Purpose	P	No	No		-60
AOD603	TO-252-5L	Complementary	Inverter	N	No	No		60
AOD603	TO-252-5L	Complementary	Inverter	P	No	No		-60
AOD609 #	TO-252-4L	Complementary	Inverter	N	No	No		40
AOD609 #	TO-252-4L	Complementary	Inverter	P	No	No		-40
AOD604	TO-252-5L	Complementary	Inverter	N	No	No		40
AOD604	TO-252-5L	Complementary	Inverter	P	No	No		-40
AOD608	TO-252-4L	Complementary	Inverter	N	Yes	No		40
AOD608	TO-252-4L	Complementary	Inverter	P	Yes	No		-40
AOD607	TO-252-4L	Complementary	Inverter	N	No	No		30
AOD607	TO-252-4L	Complementary	Inverter	P	No	No		-30
IPAK Short Lead (TO251SL)								
AOI472 #	TO-251A	Single	General Purpose	N	No	No		25
AOI452 #	TO-251A	Single	General Purpose	N	No	No		25
TO220								
AOT500 #	TO-220	Single	General Purpose	N	No	No		Clamped
AOT404	TO-220	Single	General Purpose	N	No	No		105
AOT430	TO-220	Single	General Purpose	N	No	No		75
AOT460 #	TO-220	Single	General Purpose	N	No	No		60
AOT462 #	TO-220	Single	General Purpose	N	No	No		60
AOT424	TO-220	Single	SMPS Low Side	N	No	No		30

New

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

V _{GS} (±V)	I _{DS} (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							
20	-26	-18	60	30	40	55			-2.4	2977	153	22.2	10	12	38
20	-12	-10	50	25	115	150			-3	987	46	7.4	3.5	9	25
20	12	12	2	1.3	60	85			3	450	27	3.8	1.9	4.2	16
20	-12	-10	2.5	1.6	115	150			-3	987	46	7.4	3.5	9	25
20	12	12	2	1.3	30	40			3	516	43	8.3	1.6	6.4	16.2
20	-12	-12	2	1.3	45	66			-3	900	68	7.2	3.5	6.2	44.8
20	8	8	2	1.3	33	47			3	404	37	4.5	2.6	3.5	13.2
20	-8	-8	2.5	1.6	50	70			-3	657	63	14.1	4.1	8	24
20	10	10	2	1.3	39	50			3	500	38	4.1	2.6	4.8	17
20	-10	-10	2.5	1.6	51	75			-3	1000	77	8.8	4.5	9.7	35.5
20	12		2.1	1.3	25	34			2.5	1040	110	9.8	3.5	4.5	17.4
20	-12		2.1	1.3	37	62			-2.4	920	122	9.7	5.4	9	20
20	50		50		5	9.5			2.5	2050	280	17	3.5	7.5	27
20	55		50		8.7	14.7			3	1230	190	13.5	7.75	6.5	22.7
Clamped	80	57	115	58	5.3				3	4735	340	34	15	25	150
25	40	28	100	50	28				4	2038	85	*38.5	13.4	12.7	31.5
25	80	78	268	134	11.5				4	4700	180	*114	18	21	70
20	85	85	268	134	7.5				4	3800	190	68	19	18	44
20	70	70	100	50	18				4	1840	80	27.8	6.6	12	38
20	110	88	100	50	4	5.5			3	3700	390	30.4	19.8	12.5	40



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, EZPower™ smart load switches and battery protection. 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	Product Type
AOZ1010AI	2A EZBuck Regulator	Yes	Buck
AOZ1012DI	3A EZBuck Regulator	Yes	Buck
AOZ1013AI	3A EZBuck Regulator	No	Buck
AOZ1014AI	4A EZBuck Regulator	No	Buck
AOZ1014DI	5A EZBuck Regulator	No	Buck
AOZ1015AI	1.5A EZBuck Regulator	Yes	Buck
AOZ1016AI	2A EZBuck Regulator	Yes	Buck
AOZ1017AI	3A EZBuck Regulator	No	Buck
AOZ1018AI	2A EZBuck Regulator	No	Buck
AOZ1019AI	2A EZBuck Regulator	No	Buck
AOZ1210AI	2A, 4.5V to 27V EZBuck Regulator	No	Buck
AOZ1212AI	3A, 4.5V to 27V EZBuck Regulator	No	Buck
AOZ1212DI	3A, 4.5V to 27V EZBuck Regulator	No	Buck
AOZ1240AI*	2A, 4.5V to 32V EZBuck Regulator	No	Buck
AOZ1242AI*	3A, 4.5V to 32V EZBuck Regulator	No	Buck
AOZ1242DI*	3A, 4.5V to 32V EZBuck Regulator	No	Buck

DC-DC Buck Regulators – Synchronous EZBuck™ Family

Part Number	Description	PGOOD	Product Type
AOZ1020AI	2A EZBuck Regulator w PGOOD	Yes	Buck
AOZ1021AI	3A EZBuck Regulator	No	Buck
AOZ1022DI	3A EZBuck Regulator w PGOOD	Yes	Buck
AOZ1024DI	4A EZBuck Regulator	No	Buck

* Coming soon, contact Marketing for availability.



Package	Min V_{IN} (V)	Max V_{IN} (V)	Max I_{OUT} (A)	Min V_{OUT} (V)	Max V_{OUT} (V)	Operating Freq. (kHz)
SO-8	4.5	16	2	0.8	15	500
DFN5x4	4.5	16	3	0.8	15	500
SO-8	4.5	16	3	0.8	15	500
SO-8	4.5	16	4	0.8	15	500
DFN5x4	4.5	16	5	0.8	15	500
SO-8	4.5	16	1.5	0.8	15	500
SO-8	4.5	16	2	0.8	15	500
SO-8	4.5	16	3	0.8	15	500
SO-8	4.5	16	2	0.8	15	500
SO-8	4.5	16	2	0.8	15	500
SO-8	4.5	27	2	0.8	22	370
SO-8	4.5	27	3	0.8	22	370
DFN5x4	4.5	27	3	0.8	22	370
SO-8	4.5	32	2	0.8	25	370
SO-8	4.5	32	3	0.8	25	370
DFN5x4	4.5	32	3	0.8	25	370

Package	Min V_{IN} (V)	Max V_{IN} (V)	Max I_{OUT} (A)	Min V_{OUT} (V)	Max V_{OUT} (V)	Operating Freq. (kHz)
SO-8	4.5	16	2	0.8	15	500
SO-8	4.5	16	3	0.8	15	500
DFN5x4	4.5	16	3	0.8	15	500
DFN5x4	4.5	16	4	0.8	15	500

Battery Protection

Part Number	Description	Package	Detection Voltage	
			Overcharge Detection (V)	Overdischarge Detection (V)
AOZ9004BI	Single-Cell Battery Protection IC	TSSOP-8	4.250V	2.6V
AOZ9004BI-01	Single-Cell Battery Protection IC	TSSOP-8	4.275V	2.3V
AOZ9004BI-02	Single-Cell Battery Protection IC	TSSOP-8	4.325V	2.5V
AOZ9004BI-03	Single-Cell Battery Protection IC	TSSOP-8	4.280V	2.8V
AOZ9004BI-04	Single-Cell Battery Protection IC	TSSOP-8	4.275V	2.3V
AOZ9004DI-00	Single-Cell Battery Protection IC	DFN2X5-4	4.275V	2.3V
AOZ9004DI-01	Single-Cell Battery Protection IC	DFN2X5-4	4.280V	2.8V
AOZ9005DI-00	Single-Cell Battery Protection IC	DFN2X5-4	4.275V	2.3V
AOZ9005DI-01	Single-Cell Battery Protection IC	DFN2X5-4	4.280V	2.8V

Smart Load Switches

Part Number	Description	V _{IN} (V)	Turn On Rise Time (T _r)
AOZ1300	EZPower™ Protected Smart Load Switch	2.7-5.5	Adjustable
AOZ1320	Slew Rate Controlled Smart Load Switch	1.8-5.5	100us, 0.5us, 1ms
AOZ1321*	Slew Rate Controlled Smart Load Switch	1.6-5.5	100us, 1us, 800us

* Coming soon, contact Marketing for availability.

Overcurrent Limit		0V Battery Charge Function	Shutdown Function
Discharge Overcurrent Limit	Charge Overcurrent Limit		
2.4A	N/A	No	No
2A	2A	Yes	Yes
3A	2A	No	Yes
3A	2A	Yes	Yes
2.4	2A	Yes	Yes
2A	2A	Yes	Yes
2A	2A	No	Yes
0.8A	0.8A	Yes	Yes
0.8A	0.8A	No	Yes

Channel	Enable	Current Limit	Fault latch	Package	$R_{DS(ON)}$ (mOhm) (Typ)
1	CMOS/TTL Compatible	Adjustable	Yes	SO-8	35
1	CMOS/TTL Compatible	No	No	DFN2x2-8, SOT23	75
1	CMOS/TTL Compatible	No	No	DFN1.2x1.6	60



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.

Ultra-Low Capacitance TVS

Part Number	Description	IEC 61000-4-2 (ESD)		Protected Lines
		Contact	Air	
AOZ8001JI	Ultra Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	2
AOZ8001KI	Ultra Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	2
AOZ8005CI	Ultra Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4
AOZ8005FI	Ultra Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4
AOZ8006FI	Ultra Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4
AOZ8007CI	Ultra Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4
AOZ8007FI	Ultra Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4
AOZ8000CI	Ultra Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4
AOZ8000HI	Ultra Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4
AOZ8002DI	Ultra Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4
AOZ8900CI	Ultra Low Capacitance TVS Diode Array	± 8 kV	± 15 kV	4

Diode Arrays

Part Number	Description	IEC 61000-4-2 (ESD)		Protected Lines
		Contact	Air	
AOZ8201	Low Capacitance Single Diode	± 30kV	± 30kV	1
AOZ8211	Low Capacitance Single Diode	± 30kV	± 30kV	1
AOZ8204	Low Capacitance Diode Arrays	± 30kV	± 30kV	4
AOZ8205	Low Capacitance Diode Arrays	± 30kV	± 30kV	5

EMI Filters

Part Number	Description	IEC 61000-4-2 (ESD)		Protected Lines	Reverse Working Voltage
		Contact	Air		V_{RWM} Max
AOZ8013	4-Line EMI Filter with Integrated ESD Protection	± 18kV	± 18kV	4	5.0V
AOZ8014	4-Line EMI Filter with Integrated ESD Protection	± 17kV	± 17kV	4	5.0V
AOZ8010	8-Line EMI Filter with Integrated ESD Protection	± 18kV	± 18kV	8	5.0V
AOZ8011	8-Line EMI Filter with Integrated ESD Protection	± 17kV	± 17kV	8	5.0V



Reverse Working Voltage V_{RWM} Max	Channel Input Capacitance		Channel Clamp Voltage ($I_{pp}=5A$) V_{CL} Max.	Package
5.5 V	I/O - I/O Typ.	I/O - GND Typ.		SOT-143
5.5 V	0.9 pF	1.0 pF	11.0 V	SC-89
5.5 V	0.47 pF	0.7 pF	11.0 V	SOT-23
5.5 V	0.47 pF	0.7 pF	11.0 V	MSOP-10
5.5 V	0.47 pF	0.7 pF	11.0 V	MSOP-10
5.5 V	0.47 pF	0.7 pF	11.0 V	SOT-23
5.5 V	0.47 pF	0.7 pF	11.0 V	MSOP-10
5.5 V	0.9 pF	1.0 pF	11.0 V	SOT-23
5.5 V	0.9 pF	1.0 pF	11.0 V	SC-70
5.5 V	0.9 pF	1.0 pF	12.0 V	DFN1.6x1.6
5.5 V	0.9 pF	1.25 pF	12.0 V	SOT-23

Reverse Working Voltage V_{RWM} Max	Channel Input Capacitance I/O - GND Typ.	Channel Clamp Voltage ($I_{pp}=15A$) V_{CL} Max.	Package
5V	15pF	7V	SOD523
5V	15pF	7V	SOD923
5V	15pF	7V	SC-89
5V	15pF	7V	SC-89

EMI Filter Performance		Channel Clamp Voltage ($I_{pp}=12A$) V_{CL} Max.	Package
Cut-Off Freq Typ.	Insertion Loss Typ.		
90MHz	-35dB attenuation from 800MHz to 2.2GHz	9.5V	DFN2x2
125MHz	-25dB attenuation from 800MHz to 3.0GHz	8.5V	DFN2x2
90MHz	-35dB attenuation from 800MHz to 2.2GHz	9.5V	DFN1.6x4
125MHz	-25dB attenuation from 800MHz to 3.0GHz	8.5V	DFN1.6x4

PACKAGE TYPES

AOS delivers advanced package technologies that meets 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.



CSP



DFN1.6x1.6



DFN 2x3



DFN5x4



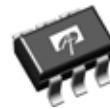
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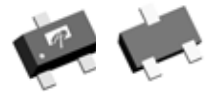
DPAK (TO-252)



SC70-3



SC70-6



SC-89-3



SOD923



SOT23-3



SOT-143



TSSOP-8



Ultra SO-8



DFN2x5



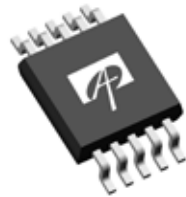
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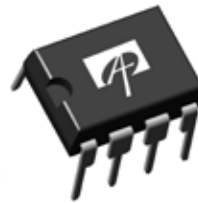
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D2PAK (TO-263)



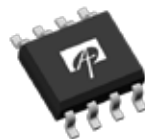
MSOP-10



PDIP-8



SC-89-6



SO-8



SOD523



TO-220



TO-220F



TSOP-6



ALPHA & OMEGA
SEMICONDUCTOR

UNITED STATES
CORPORATE HEADQUARTERS

495 Mercury Drive
Sunnyvale, CA 94085
Phone: +1 (408) 830-9742
Fax: +1 (408) 830-9749

TEXAS

4845 Briar Creek Dr.
Flower Mound, TX 75028
Phone: +1 (972) 691-1085
Fax: +1 (972) 691-1086

CHINA

Rm F, 24/F
Shenzhen Special Zone Press Tower
6008 Shennan Road
Shenzhen 518034
Phone: +86 (755) 8351-7733
Fax: +86 (755) 835-15883

2nd Floor, Bldg 18
498 Guoshoujin Road
Pudong Zhangjiang Software Park
Shanghai 201203
Phone: +86 (21) 5080-3180
Fax: +86 (21) 5080-5235

Room 104, 4th Building
Xiushuiyuan
145 Yushan Road
New District Suzhou 215011
Phone: +86 (512) 687-85200

HONG KONG

Room 205, Tesbury Center
24-32 Queen's Road East
Wanchai
Sales Hotline: +852 2529-2850
Phone: +852 2529-2820
Fax: +852 2529-2823

JAPAN

Kameido 9-10-1-1226, Koto-Ku
Tokyo 136-0071
Phone: +81 (3) 3684-0616
Fax: +81 (3) 6240-6238

SOUTH KOREA

3/F, Jawoon Building
605-22, Yeoksam-dong
Gangnam-gu
Seoul 135-080
Phone: +82 (2) 557-8501
Fax: +82 (2) 557-8420

TAIWAN

7F, No. 37, Lane 365
Yangguang Street
Neihu District
Taipei 114
Phone: +886 (2) 8751-5616
Fax: +886 (2) 2627-4762