

AOS MOSFET SELECTION GUIDE

Part number	Package	Description	VDS	VGS (+/-)	IDS		PD		Rds(on)/max				Vgs(th) / max	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							
SO-8																			
AO4404	SO-8	Single-N	30	12	8.5	7.1	3	2.1	24	30	48		1.4	857	71	9.7	3.1	3.3	26
AO4406	SO-8	Single-N	30	12	11.5	9.6	3	2.1	14	16.5	26		1.5	1630	142	18	5.5	4	32
AO4408	SO-8	Single-N	30	12	12	10	3	2.1	14	16.5			2.5	1020	80	10.3	3.9	3.9	19.2
AO4410	SO-8	Single-N	30	12	18	15	3	2.1	5.5	6.2			1.5	9130	387	72.4	16.8	11	99
AO4412	SO-8	Single-N	30	12	8.5	7.1	3	2.1	26	34			3	590	40	6.04	2.56	3.7	14.9
AO4414	SO-8	Single-N	30	20	8.5	7.1	3	2.1	26	40			3	680	77	13.84	3.32	4.5	20.1
AO4418	SO-8	Single-N	30	25	11.5	9.7	3	2.1	17	40			3	758	128	16.6	4.9	5.4	14.4
AO4420	SO-8	Single-N	30	12	13.7	9.7	3.1	2	10.5	12			2	3656	168	30.5	8.6	5.5	49.8
AO4422	SO-8	Single-N	30	20	11	9.3	3	2.1	15	24			3	1040	110	19.8	3.5	4.5	17.4
AO4430	SO-8	Single-N	30	20	18	15	3	2.1	5.5	7.5			2.5	6060	355	103	15	12	51.5
AO4438	SO-8	Single-N	60	20	8.2	6.6	3.1	2	23	27			3	1920	116	47.6	14.4	7.6	28.9
AO4446	SO-8	Single-N	30	20	15	12	3	2.1	8.5	14.5			3	1520	214	16.2	9.6	7	24.2
SO-8																			
AO4403	SO-8	Single-P	-30	12	-6.1	-5.1	3	2.1	46	61	117		-1.3	940	73	9.4	3	7.6	44.7
AO4405	SO-8	Single-P	-30	20	-6	-5.1	3	2.1	50	85			-3	700	78	14.7	3.8	8.6	28.2
AO4407	SO-8	Single-P	-30	25	-12	-10	3	2.1	14	24			-3	2076	302	37.2	10.4	12.4	25.6
AO4409	SO-8	Single-P	-30	20	-15	-12.8	3	2.1	7.5	12			-2.7	5270	745	100	23	14	76.5
AO4411	SO-8	Single-P	-30	20	-8	-6.6	3	2.1	32	55			-2.4	920	122	18.4	4.9	7.1	18.9
AO4413	SO-8	Single-P	-30	25	-15	-12.8	3	2.1	8.5				-3.5	4360	762	78	23.6	17.5	49
AO4415	SO-8	Single-P	-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-P	-30	20	-9.7	-8.1	3	2.1	20	35			-2.7	1573	211	26.4	6.8	9.5	44.2
AO4421	SO-8	Single-P	-60	20	-6.2	-5	3.1	2	40	50			-2.4	2417	120	45.2	9.6	9.8	44
AO4423	SO-8	Single-P with ESD	-30	25	-15	-12.1	3.1	2	8.5				-3.5	4632	705	82	23	18.5	55
AO4427	SO-8	Single-P with ESD	-30	25	-12.5	-10.5	3	2.1	14				-3	2330	320	41	12	12.8	49.5
AO4429	SO-8	Single-P with ESD	-30	20	-15	-12.8	3.1	2	7.7	12			-2.7	5355	620	91	21	15	82.5
AO4433	SO-8	Single-P with ESD	-30	25	-11	-9.7	3	2.1	18				-4	1760	255	30	8	11.5	35
AO4437	SO-8	Single-P with ESD	-12	8	-11	-9	3	2.1		16	20	25	-1	3960	757	37	11	15	158
SO-8																			
AO4600	SO-8	Complementary N	30	12	6.9	5.8	2	1.44	27	32	50		1.4	858	80	9.6	3	5.7	37
	SO-8	Complementary P	-30	12	-5	-4.2	2	1.44	49	64	120		-1.4	952	77	9.5	3.1	12	37
AO4601	SO-8	Complementary N	30	12	4.7	4	2	1.44	55	70	110		1.4	390	41	0.6	4.34	3.3	21.7
	SO-8	Complementary P	-30	25	-4	-6.9	2	1.44	19				-3	2076	302	39	11.4	12.7	25.2
AO4602	SO-8	Complementary N	30	12	4.7	4	2	1.44	55	70	110		1.4	390	41	0.6	4.34	3.3	21.7
	SO-8	Complementary P	-30	25	-4	-6.9	2	1.44	19				-3	2076	302	37.2	10.4	12.4	25.6
AO4603	SO-8	Complementary N	30	12	4.7	4	2	1.44	55	70	110		1.4	390	41	0.6	4.34	3.3	21.7
	SO-8	Complementary P	-30	20	-5.8	-4.9	2	1.44	38	63			-2.2	920	122	2.4	9.3	7.6	21.6
AO4604	SO-8	Complementary N	30	20	6.9	5.8	2	1.44	28	42			3	680	77	13.84	3.2	4.6	20.6
	SO-8	Complementary P	-30	20	-5	-4.2	2	1.44	52	87			-3	700	75	14.7	3.8	8.3	29
AO4606	SO-8	Complementary N	30	20	6.9	5.8	2	1.44	28	42			3	680	77	13.84	3.2	4.6	20.6
	SO-8	Complementary P	-30	20	-6	-5	2	1.44	35	58			-2.4	920	122	18.5	4.5	7.7	20.2
AO4607	SO-8	Complementary N+Sky	30	20	6.9	5.8	2	1.28	28	42			3	680	77	13.84	3.2	4.6	20.6
	SO-8	Complementary P	-30	20	-6	-5	2	1.28	35	58			-2.4	920	122	18.5	4.5	7.7	20.2
AO4609	SO-8	Complementary N	30	20	8.5	6.6	2	1.28	18	28			3	1040	110	19.2	4.2	5.2	17.3
	SO-8	Complementary P	-30	12	-3	-2.4	2	1.28	130	180	260		-1.4	409	42	4.4	1.32	5.3	31.5
AO4610	SO-8	Complementary N+Sky	30	20	8.5	6.6	2	1.28	18	28			3	1040	110	19.2	4.2	5.2	17.3
	SO-8	Complementary P	-30	20	-7.1	-5.6	2	1.28	25	40			-2.7	1573	211	30.9	4.4	9.5	44.2
AO4611	SO-8	Complementary N	60	20	6.3	5	2	1.28	25	30			3	1920	116	47.6	14.4	7.6	28.9
	SO-8	Complementary P	-60	20	-4.9	-3.9	2	1.28	42	52			-3	2417	120	45.2	9.6	9.8	44
AO4612	SO-8	Complementary N	60	20	4.5	3.6	2	1.28	56	77			3	450	25	8.5	2.2	4.7	15.7
	SO-8	Complementary P	-60	20	-3.2	-2.6	2	1.28	105	135			-3	930	35	16	3.2	8	31.5
SO-8																			
AO4700	SO-8	Single-N + Sky	30	20	6.9	5.8	2	1.28	28	42			3	680	77	13.84	3.2	4.6	20.6
AO4702	SO-8	Single-N + Sky	30	20	11	9.3	3	2	16	25			3	1040	110	19.8	3.5	4.5	17.4
AO4704	SO-8	Single-N + Sky	30	12	13	10.4	3.1	2	11.5	13			2	3656	168	30.5	8.6	6.2	55
SO-8																			
AO4701	SO-8	Single-P + Sky	-30	12	-5	-4.2	2	1.44	49	64	120		-1.3	952	77	9.5	3.1	12	37
AO4703	SO-8	Single-P + Sky	-30	25	-12	-10	3	2.1	15	25			-3	2076	302	37.2	10.4	12.4	25.6
AO4705	SO-8	Single-P + Sky(3A)	-30	25	-10	-8	3	2	16	25			-3	2076	302	37.2	10.4	12.4	25.6
AO4707	SO-8	Single-P + Sky(3A)	-30	20	-8	-6.6	3	2	33	56			-2.4	920	122	18.4	4.9	7.1	18.9
AO4709	SO-8	Single-P + Sky(1A)	-30	20	-8	-6.6	3	2	33	56			-2.4	920	122	18.4	4.9	7.1	18.9
SO-8																			
AO4800	SO-8	Dual-N	30	12	6.9	5.8	2	1.44	27	32	50		1.4	858	80	9.6	3	3.2	26.3
AO4806	SO-8	Dual-N with ESD	20	12	9.4	7.5	2	1.28	14	16	22	30	1	1810	200	17.9	4.7	3.3	44
AO4812	SO-8	Dual-N	30	20	6.9	5.8	2	1.44	28	42			3	680	77	13.84	3.2	4.6	20.6
AO4816	SO-8	Dual-N	30	25	8.5	6.5	2	1.28	20	46			3	758	128	16.5	4.8	5.4	14.4
AO4818	SO-8	Dual-N	30	20	8.5	6.6	2	1.28	19	28			3	1040	110	19.2	4.2	5.2	17.3
AO4822	SO-8	Dual-N	30	20	8.5	6.6	2	1.28	16	26			3	1040	110	19.2	4.2	5.2	17.3
AO4824	SO-8	High-side N FET Q1	30	20	8.5	6.8	2	1.28	17	27			3	1040	110	19.2	4.2	5.2	17.3
	SO-8	Low-side N FET Q2	30	12	9.8	7.8	2	1.28	13	15			2	3656	168	30.5	8.5	5.5	52.4
AO4826	SO-8	Dual-N	60	20	6.3	5	2	1.28	25	30			3	1920	116	47.6	14.4	7.6	28.9
AO4828	SO-8	Dual-N	60	20	4.5	3.6	2	1.28	56	77			3	450	25	8.5	2.2	4.7	15.7
AO9926A	SO-8	Dual-N	20	8	7	6	2	1.44		26	33	42	0.8	1050	129	15.2	4	6.5	56.5
AO9926	SO-8	Dual-N	20	8	5	4.2	2	1.44		50	65	90	1	436	44	5.54	0.52	5	29
AO9926E	SO-8	Dual-N with ESD	20	8	8	6.4	2	1.28		21	25	33	1	1160	146	16	3.8	6.2	51.7
SO-8																			
AO4801	SO-8	Dual-P	-30	12	-5	-4.2	2	1.44	49	64	120		-1.3	952	77	9.5	3.1	12	37
AO4803	SO-8	Dual-P	-30	20	-5	-4.2	2	1.4	52	87			-3	700	75	14.7	3.8	8.3	29
AO4805	SO-8	Dual-P	-30	25	-8	-6.9	2	1.44	19	33			-3	2076	302	39	11.4	12.7	25.2
AO4807	SO-8	Dual-P	-30	20	-6	-5	2	1.44	35	58			-2.4	920	122	18.5	4.5	7.7	20.2
AO4813	SO-8	Dual-P	-30	20	-7.2	-7.1	3	2.1	25	40			-2.4	1573	211	30.9	4.4	9.5	44.2
AO4815	SO-8	Dual-P with ESD	-30	25	-8	-6.9	2	1.44	20				-3	2330	320	41	12	13	51
AO4817	SO-8	Dual-P with ESD	-30	25	-8	-6.9	2	1.44	21				-3	1760	255	30	8	12.5	40
AO4821	SO-8	Dual-P with ESD	-12	8	-8	-6.7	2	1.28		18	22	29	-1	3960	757	37	11	15	158

AO4900	SO-8	Dual-N +Sky	30	12	6.9	5.8	2	1.44	27	32	50		1.4	846	67	9.6	3	5.7	37
AO4902	SO-8	Dual-N+Dual-Sky	30	12	6.9	5.8	2	1.44	27	32	50		1.4	846	67	9.6	3	5.7	37
AO4904	SO-8	Dual-N +Sky	30	12	6.9	5.8	2	1.44	27	32	50		1.4	846	67	9.6	3	5.7	37
AO4906	SO-8	Dual-N +Sky	30	12	7	6	2	1.44	27	32	50		1.4	846	67	9.6	3	3.2	26.3
AO4912	SO-8	High-side N FET Q2	30	12	7	6.4	2	1.28	26	31			2	590	40	6.04	2.56	3.7	14.9
	SO-8	Low-side N FET Q1	30	20	8.5	6.8	2	1.28	17	25			3	1040	110	19.2	4.2	5.2	17.3
AO4914	SO-8	Dual-N +Sky	30	20	8.5	6.6	2	1.28	18	28			3	1040	110	19.2	4.2	5.2	17.3
AO4916	SO-8	Dual-N +Sky	30	20	8.5	6.6	2	1.28	17	27			3	1040	110	19.2	4.2	5.2	17.3
AO4918	SO-8	High-side N FET Q2	30	20	8.3	6.7	2	1.28	18	27			3	1040	110	19.2	4.2	5.2	17.3
	SO-8	Low-side N FET Q1	30	12	9.3	7.4	2	1.28	14.5	16			2	3656	168	30.5	8.6	5.5	49.8