



安森德 ASDsemi

产品手册

PRODUCT MANUAL

深圳安森德半导体有限公司
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更懂应用的模拟IC及系统级芯片设计公司

质量为先

诚信为本

创新至上



深圳安森德半导体有限公司 (ASDsemi) 成立于2018年, 是一家更懂应用的模拟芯片和系统级芯片设计公司, 先后获得国家高新技术企业, 创新型中小企业, ISO9001认证企业等荣誉资质。

安森德 (ASDsemi) 总部位于中国创新之都深圳, 在深圳设立运营中心, 在上海、西安、台湾设有芯片设计研发中心和办事处, 在华东、西南、华中等地设有销售与技术支持中心。

安森德 (ASDsemi) 在芯片设计、制造、测试、封装等方面有着丰富的行业经验, 核心技术自主可控, 拥有多项自主知识产权及发明专利。技术研发团队由欧美顶尖半导体公司从业背景的资深专家、国内知名半导体公司资深专家及来自于西北工业大学、电子科技大学等国内著名高校团队组成, 有着丰富的行业经验和领先的芯片设计能力。

安森德 (ASDsemi) 致力于为全球客户提供半导体功率器件和模拟IC, 产品覆盖功率器件: 中低压、高压、超结MOSFET; 第三代半导体SiC、GaN; 模拟芯片: 电源管理芯片、信号链芯片; SiP系统级芯片三大类产品线。产品可广泛应用于通信、服务器、BMS、电机、电源、家电、工业、新能源、储能、光伏、电力、智能家居、物联网、消费电子、汽车电子等众多领域, 并与全球顶尖企业在技术与业务方面进行深入合作。

安森德 (ASDsemi) 始终秉承“专业、诚信、超越、共赢”的核心价值观; 以市场为导向, 以技术驱动创新; 以“打造最强中国芯、赋能全球制造业”为企业使命; 不断开发更高性能的模拟集成电路技术及系统解决方案, 为全球用户提供高品质、高性价比的产品和服务。

N-MOS Trench

S/N	Part No.	Channel	VDS (V)	VGS (V)	Vth (V)	RDS(ON) (mΩ) Typ. at VGS=		ID (A) Tc=25°C	EAS (mJ)	Ciss (pF)	Qg (nC)	Package
						10V	4.5V					
1	ASDM20N90Q	N	20	±20	0.5-1.1	1.5	1.8	90	105	3605	37	PDFN5*6-8
2	ASDM20N40E	N	20	±12	0.5-1.1	-	4.3	40	20	1336	13	PDFN3*3-8
3	ASDM20N60AKQ	N	20	±12	0.5-1.1	-	4.5	60	195	2450	65	TO-252
4	ASDM20N16AE	N	20	±10	0.5-1.1	-	9	16		551	11	PDFN3*3-8
5	ASDM20N12ZB	N	20	±8	0.5-1.1	-	11.5	12		602		SOT23-3
6	ASDM3416EZA	N	20	±12	0.5-1.1	-	16	7		640	8	SOT23
7	ASDM20N20KQ	N	20	±10	0.4-1.0	-	20	24		259	4.2	TO-252
8	ASDM2300ZA	N	20	±12	0.5-1.1	-	22	4.5		500	10	SOT23
9	ASDM2300ZB	N	20	±12	0.5-1.1	-	22	4.5		500	10	SOT23-3
10	ASDM2302ZA	N	20	±8	0.5-1.1	-	45	2.3		300	4	SOT23
11	ASDM30N150Q	N	30	±20	1-2.5	1.7	3.4	150	576	6272	63	PDFN5*6-8
12	ASDM30N120Q	N	30	±20	1-2.5	2.2	3.8	120	333	2904	72	PDFN5*6-8
13	ASDM30N180P	N	30	±20	1-2.5	2.2	3	180	576	4716	140	TO-220
14	ASDM30N150KQ	N	30	±20	1-2.5	2.4	3.9	150	650	2696	63	TO-252
15	ASDM30N120KQ	N	30	±20	1-2.5	2.5	3.9	120	100	2921	63	TO-252
16	ASDM30N90KQ	N	30	±20	1-2.5	3	4.8	90	135	2120	40	TO-252
17	ASDM30N80Q	N	30	±20	1-2.5	3.5	5.1	80	135	2116	40	PDFN5*6-8
18	ASDM30N65E	N	30	±20	1-2.5	3.6	5.7	65	115	1000	32	PDFN3*3-8
19	AST043N03D6M	N	30	±20	1-2.5	3.7	5.1	90	90	2248	42	PDFN3*3-8
20	ASDM30N50Q	N	30	±20	1-2.5	3.8	5.8	50	250	1814	19	PDFN5*6-8
21	ASDM30N80P	N	30	±20	1-2.5	4.1	5.6	80	88	1914	11	TO-220
22	ASDM30N90Q	N	30	±20	1-2.5	4.3	6.9	90	135	2120	40	PDFN5*6-8
23	ASDM30N55E	N	30	±20	1-2.5	4.8	6.9	55	105	1280	31	PDFN3*3-8
24	ASDM30N40AE	N	30	±20	1-2.5	5	8	40	39	853	13	PDFN3*3-8
25	ASDM30N40E	N	30	±20	1-2.5	5.3	7.9	45	39	1084	13	PDFN3*3-8
26	ASDM30N50KQ	N	30	±20	1-2.5	7.3	11.6	50	28	739	19	TO-252
27	ASDM30N50AKQ	N	30	±20	1-2.5	7.5	12	50	121	1270	22	TO-252
28	ASDM4406S	N	30	±20	1-2.5	8	12	13	24	760	14	SOP-8
29	ASDM30N35E	N	30	±20	1-2.5	8.4	13.2	35	35	593	12	PDFN3*3-8
30	ASDM30N35AE	N	30	±20	1-2.5	9.4	12.4	35	56	766	17	PDFN3*3-8
31	ASDM4406AS	N	30	±20	1-2.5	9.5	12.6	20	56	751	17	SOP-8
32	ASDM30N30E	N	30	±20	1-2.5	12	17	30	56	865	17	PDFN3*3-8
33	ASDM3400AZA	N	30	±12	0.5-1.5	19	21	5.6		675	8.6	SOT23
34	ASDM40N190HQ	N	40	±20	2-4	1.1	-	190	288	5613	71	PDFN5*6-8
35	ASDM40N100Q	N	40	±20	1-2.5	1.6	2.3	100	180	2649	29	PDFN5*6-8

N-MOS Trench

S/N	Part No.	Channel	VDS (V)	VGS (V)	Vth (V)	RDS(ON) (mΩ) Typ. at VGS=		ID (A) Tc=25°C	EAS (mJ)	Ciss (pF)	Qg (nC)	Package
						10V	4.5V					
36	ASDM40N100KQ	N	40	±20	1-2.5	2.1	2.6	100	245	2940	45	TO-252
37	ASDM40N80Q	N	40	±20	1-2.5	3.5	4.5	80	121	1560	29	PDFN5*6-8
38	ASDM40N100P	N	40	±20	1-2.5	4	4.6	100	121	3424	29	TO-220
39	ASDM40N80KQ	N	40	±20	1-2.5	4	5.5	80	121	3027	29	TO-252
40	ASDM40N52E	N	40	±20	1-2.5	4.2	6	52	100	3500	18	PDFN3*3-8
41	ASDM40N40E	N	40	±20	1-2.5	5.9	7.2	45	212	1806	41.5	PDFN3*3-8
42	ASDM40N15S	N	40	±20	1-2.5	6	7.4	15		1718	60	SOP-8
43	ASDM40N60KQ	N	40	±20	1-2.5	7	10.5	60	400	1520	29	TO-252
44	ASDM60N80F	N	60	±20	1-2.5	3.4	4.5	80	101	3530	58	TO-220F
45	ASDM60N200G	N	60	±20	2-4	3.5	-	200	1500	9120	155	TO-263
46	ASDM60N170P	N	60	±20	2.5-4.5	4.8	-	170	245	5580	84	TO-220
47	ASDM60N80KQ	N	60	±20	2.5-4	6	-	80	130	3360	90	TO-252
48	ASDM60N80G	N	60	±20	2.5-4	6.4	-	80	125	2498	36	TO-263
49	ASDM60N80P	N	60	±20	2-4	6.8	-	80	125	3320	36	TO-220
50	ASDM60N45KQ	N	60	±20	1-2.5	12	14	45	115	1920	30	TO-252
51	ASDM60N50KQ	N	60	±20	1-2.5	13.5	18	50	31	880	18	TO-252
52	ASDM60N30KQ	N	60	±20	1-2.5	23	29	30	82	1932	25	TO-252
53	ASDM7002EZA	N	60	±20	1-2.5	1600	1900	0.3		26	1	SOT23
54	ASDM65N18S	N	65	±20	1-2.5	8	11	18		1100	75	SOP-8
55	ASDM68N80KQ	N	68	±20	2.5-4	7.7	-	80	79	3360	70	TO-252
56	ASDM68N80G	N	68	±20	2.5-4	7.8	-	80	79	3364	70	TO-263
57	ASDM68N80P	N	68	±20	2.5-4	8	-	80	79	3400	70	TO-220
58	ASDM80N80KQ	N	80	±20	2-4	8.4	13	80	240	3988	92	TO-252
59	ASDM85N60Q	N	85	±20	2-4	4.6	-	60	240	3424	55	PDFN5*6-8
60	ASDM100N25S	N	100	±20	1-2.5	17.7	22.4	25	57	767	16	SOP-8
61	ASDM100N34KQ	N	100	±20	1-2.5	28	35	34	130	1550	47	TO-252
62	ASDM540G	N	100	±20	1-2.5	31	33	33	96	2300	55	TO-263
63	ASDM540P	N	100	±20	1-2.5	32	33	33	96	2160	55	TO-220
64	ASDM100N25KQ	N	100	±20	1-2.5	43	46	25	12	2071	51	TO-252
65	ASDM100N15KQ	N	100	±20	1-2.5	95	100	15		932	19	TO-252
66	ASDM100N03ZA	N	100	±20	1-2.5	160	170	3		650	20	SOT23
67	ASDM150N120HP	N	150	±20	2-4	5.9	-	120	450	5780	91	TO-220
68	ASDM250G	N	200	±20	2-4	70	-	30	605	4200	111	TO-263
69	ASDM640NP	N	200	±20	2-4	120	-	18	260	1200	38	TO-220
70	ASDM640KQ	N	200	±20	2-4	130	-	18	260	902	38	TO-252
71	ASDM200N9I	N	200	±20	2-4	263	-	9	115	618	19	TO-251

N-MOS SGT

S/N	Part No.	Channel	VDS (V)	VGS (V)	Vth (V)	RDS(ON) (mΩ) Typ. at VGS=		ID (A) Tc=25°C	EAS (mJ)	Qes (nC)	Qg (nC)	Package
						10V	4.5V					
1	ASDM30R024NQ	N-SGT	30	±20	1-2.5	1.5	2.1	255	225	6682	93	PDFN5*6-8
2	ASDM30R020NQ	N-SGT	30	±20	1-2.5	1.6	2.4	101	120	3200	39	PDFN5*6-8
3	ASDM30R020KQ	N-SGT	30	±20	1-2.5	2	2.8	121	120	3200	39	TO-252
4	ASS009N04Q1H	N-SGT	40	±20	2-4	0.61	-	320	287	6500	120	*PDFN5*6-8 Double Cooling*
5	ASDM40R010NHT	N-SGT	40	±20	2-4	0.8	-	300	287	6450	120	TOLL
6	ASDM40R014NQ	N-SGT	40	±20	1-2.5	1.0	1.5	130	450	7598	127	PDFN5*6-8
7	ASDM40R008NHQ	N-SGT	40	±20	2-4	1.1	-	212	287	6656	120	PDFN5*6-8
8	ASDM40R009NQ	N-SGT	40	±20	1-2.5	1.1	1.6	200	238	5400	45	PDFN5*6-8
9	ASDM40R015NHT	N-SGT	40	±20	2-4	1.2	-	130	450	9300	127	TOLL
10	ASDM40R012NHG	N-SGT	40	±20	2-4	1.2	-	220	287	6565	120	TO-263
11	ASDM40R015NT	N-SGT	40	±20	1-2.5	1.5	2.3	200	450	8300	127	TOLL
12	ASDM40R015NHQ	N-SGT	40	±20	2-4	1.5	-	120	450	9300	127	PDFN5*6-8
13	ASDM40R015NQ	N-SGT	40	±20	1-2.5	1.5	2.3	125	450	8300	127	PDFN5*6-8
14	ASDM40R009NP	N-SGT	40	±20	1-2.5	1.5	2.5	200	1800	5600	137	TO-220
15	ASDM40R016NHG	N-SGT	40	±20	2-4	1.5	-	155	450	9300	127	TO-263
16	ASDM40R016NG	N-SGT	40	±20	1-2.5	1.6	2.3	160	450	8300	127	TO-263
17	ASDM40R023NT	N-SGT	40	±20	1-2.5	1.6	2.3	190	200	3550	66	TOLL
18	ASDM40R022NG	N-SGT	40	±20	1-2.5	1.65	2.45	140	200	3830	66	TO-263
19	ASDM40R025NQ	N-SGT	40	±20	1-2.5	1.7	2.4	140	200	3482	66	PDFN5*6-8
20	ASDM40R025NG	N-SGT	40	±20	1-2.5	1.8	2.7	150	200	3830	66	TO-263
21	ASDM40R021NKQ	N-SGT	40	±20	1-2.5	2.1	2.6	100	245	2940	9	TO-252
22	ASDM40R022NQ	N-SGT	40	±20	1-2.5	2.2	2.7	140	125	3162	95	PDFN5*6-8
23	ASDM40R022NP	N-SGT	40	±20	1-2.5	2.5	4.8	140	125	3162	95	TO-220
24	ASDM40R032NQ	N-SGT	40	±20	1-2.5	3.3	4.7	75	240	1579	31	PDFN5*6-8
25	ASDM40R065NE	N-SGT	40	±20	1-2.5	5.8	8.7	40	20	773	15	PDFN3*3-8
26	ASDM40R062NE	N-SGT	40	±20	1-2.5	6.2	8.8	40	20	794	15	PDFN3*3-8
27	ASDM40R065NQ	N-SGT	40	±20	1-2.5	6.5	10	36	240	798	31	PDFN5*6-8
28	ASDM60R007NHT	N-SGT	60	±20	2-4	0.64	-	400	2738	15766	274	TOLL
29	ASDM60R007NHX	N-SGT	60	±20	2-4	0.75	1.4	420	2738	17306	274	TO-247
30	ASDM60R019NQ	N-SGT	60	±20	1-2.5	1.7	2.2	100	51	5444	80	PDFN5*6-8
31	ASDM60R025NQ	N-SGT	60	±20	1-2.5	2.5	3.7	116	101	3454	58	PDFN5*6-8
32	ASDM60R025NKQ	N-SGT	60	±20	1-2.5	3	3.8	90	500	4680	67	TO-252
33	ASS053N06Q1M	N-SGT	60	±20	1.0-4.0	4.2	7.5	109	226	1920	28	PDFN5*6-8
34	ASDM60R070NQ	N-SGT	60	±20	1-2.5	6.5	10	75	80	1501	57	PDFN5*6-8
35	ASDM60R070NKQ	N-SGT	60	±20	1-2.5	8.5	12	75	80	3307	57	TO-252
36	ASS125N06K1M	N-SGT	60	±20	1-2.5	10	13.5	52	49	865	15	TO-252
37	ASDM65R090NQ	N-SGT	65	±20	1-2.5	8	13	48	64	877	14	PDFN5*6-8
38	ASDM65R110S	N-SGT	65	±20	1-2.5	9.4	15.5	15	64	825	2.6	SOP-8
39	ASDM80R016NT	N-SGT	80	±20	2-4	1.2	-	360	2704	13371	205	TOLL
40	ASDM80R020NG	N-SGT	80	±20	2-4	1.7	-	160	2304	12849	205	TO-263
41	ASS026N08G1H	N-SGT	80	±20	2-4	2.1	-	180	900	7920	140	TO-263
42	ASDM80R032NQ	N-SGT	80	±20	2-4	3.2	4	100	1000	4460	110	PDFN5*6-8
43	ASDM80R055NG	N-SGT	80	±20	1-2.5	4.3	6.3	110	157	2860	40	TO-263

N-MOS SGT

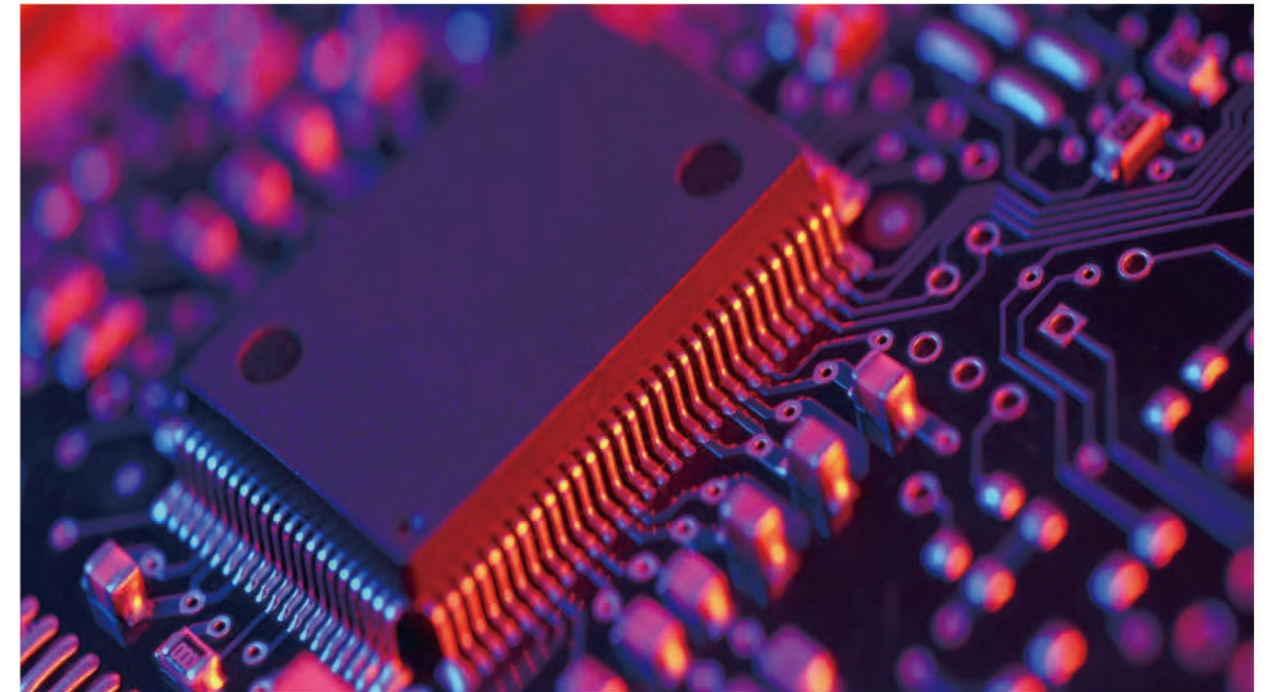
S/N	Part No.	Channel	VDS (V)	VGS (V)	Vth (V)	RDS(ON) (mΩ) Typ. at VGS=		ID (A) Tc=25°C	EAS (mJ)	Qes (nC)	Qg (nC)	Package
						10V	4.5V					
44	ASDM80R055NP	N-SGT	80	±20	2-4	5.4	6.3	110	300	3730	40	TO-220
45	ASDM80R055NTD	N-SGT	80	±20	1-2.5	5.4	7.3	40	38	1400	10	PDFN3*3-8
46	ASS030NE8G1H	N-SGT	85	±20	2-4	2.3	-	180	900	8237	138	TO-263
47	ASDM85R028NT	N-SGT	85	±20	2-4	2.4	-	260	430	7234	130	TOLL
48	ASS040NE8G1N	N-SGT	85	±20	2-4	2.8	3.4	185	240	6234	124	TO-263
49	ASDM85R028NG	N-SGT	85	±20	2-4	3.2	-	200	1900	7060	101	TO-263
50	ASDM85R055NG	N-SGT	85	±20	2-4	4.4	-	110	157	4600	50	TO-263
51	ASS065NE8P3N	N-SGT	85	±20	2-4	5.8	-	118	196	3090	64	TO-220
52	ASDM100R012NHT	N-SGT	100	±20	2-4	1.1	-	300	2592	13215	284	TOLL
53	ASDM100R012NHX	N-SGT	100	±20	2-4	1.2	-	320	2592	13766	284	TO-247
54	ASDM100R020NT	N-SGT	100	±20	2-4	1.5	-	290	1225	7658	122	TOLL
55	ASS021N10T1H	N-SGT	100	±20	2-4	1.6	-	292	1225	10480	168	TOLL
56	ASDM100R025NG	N-SGT	100	±20	2-4	1.8	-	260	1225	8150	122	TO-263
57	ASDM100R026ANG	N-SGT	100	±20	2-4	1.9	-	260	1400	14062	165	TO-263
58	ASDM100R027NHAG	N-SGT	100	±20	2-4	2.5	-	180	784	9200	131	TO-263
59	ASDM100R028NHAG	N-SGT	100	±20	3.5-3.7	2.9	-	150	1100	10087	137	TO-263
60	ASDM100R042NHAG	N-SGT	100	±20	2-4	3.2	-	170	625	6907	102	TO-263
61	ASDM100R036ANG	N-SGT	100	±20	3.1-3.3	3.3	-	220	1050	7102	95	TO-263
62	ASDM100R040NG	N-SGT	100	±20	2-4	3.5	-	120	1000	7072	95	TO-263
63	ASDM100R045NQ	N-SGT	100	±20	1-2.5	3.8	5	90	29	3694	78	PDFN5*6-8
64	ASDM100R042NHG	N-SGT	100	±20	2-4	4.2	-	185	210	3470	74	TO-263
65	ASDM100R050NG	N-SGT	100	±20	2-4	4.3	-	120	96	3793	78	TO-263
66	ASDM100R045NP	N-SGT	100	±20	2-4	4.5	5.8	135	29	2890	23	TO-220
67	ASDM100R066NQ	N-SGT	100	±20	1-2.5	5	7	82	61	2580	45	PDFN5*6-8
68	ASDM100R066NF	N-SGT	100	±20	1-2.5	6.0	7.0	90	144	2551	56	TO-220F
69	ASDM100R066NP	N-SGT	100	±20	1-2.5	6.8	8.7	90	180	2500	45	TO-220
70	ASDM100R090NQ	N-SGT	100	±20	1-2.5	7.8	11	55	80	1552	49	PDFN5*6-8
71	ASDM100R090NP	N-SGT	100	±20	1-2.5	8	11	75	80	2366	49	TO-220
72	ASDM100R090NG	N-SGT	100	±20	1-2.5	8	11	75	80	2366	49	TO-263
73	ASDM100R090NKG	N-SGT	100	±20	1-2.5	8.4	10.8	100	80	1791	49	TO-262
74	ASDM100R090NKQ	N-SGT	100	±20	1-2.5	9	12	55	80	3350	49	TO-252
75	ASDM100R160NP	N-SGT	100	±20	1-2.5	12	17	45	81	1064	16	TO-220
76	ASDM100R250NE	N-SGT	100	±20	1-2.5	12	24	46	18	790	22	PDFN3*3-8
77	ASDM100R160NAKQ	N-SGT	100	±20	1-2.5	12.4	17	48	81	1135	16	TO-252
78	ASDM100R160NKQ	N-SGT	100	±20	1-2.5	14	17	45	81	1135	16	TO-252
79	ASDM100R230NQ	N-SGT	100	±20	1-2.5	17.6	22.6	25	16	672	22	PDFN5*6-8
80	ASDM100R260S	N-SGT	100	±20	1-2.5	22	29	20				SOP-8
81	ASDM120R065NQ	N-SGT	120	±20	1-2.5	4.3	5.7	90	400	3722	90	PDFN5*6-8
82	ASS093N15Q1H	N-SGT	150	±20	2-4	6.6	-	100	290	4900	62	PDFN5*6-8
83	ASDM150R090NQ	N-SGT	150	±20	1-2.5	6.9	7.9	60	324	3702	69	PDFN5*6-8
84	ASDM150R090NKQ	N-SGT	150	±20	1-2.5	7.9	9.2	75	225	3672	34	TO-252
85	ASDM150R090NP	N-SGT	150	±20	1-2.5	7.9	9.3	75	225	3802	34	TO-220
86	ASDM150R260NKQ	N-SGT	150	±20	1-2.5	23	26	40	256	2500	39	TO-252

P-MOS

S/N	Part No.	Channel	VDS (V)	VGS (V)	Vth (V)	RDS(ON) (mΩ) Typ. at VGS=		ID (A) Tc=25°C	EAS (mJ)	Ciss (pF)	Qg (nC)	Package
						10V	4.5V					
1	ASDM20P50KQ	P	-20	±12	-1.2	-	6.3	-50		3673	55	TO-252
2	ASDM20P13S	P	-20	±12	-1	-	7.7	-13	80	2160	15	SOP-8
3	ASDM20P09ZB	P	-20	±12	-1	-	16	-9		1200	15	SOT23-3
4	ASDM3415EAZA	P	-20	±10	-1	-	29	-5		199	9	SOT23
5	ASDM2305ZA	P	-20	±12	-0.8	-	45	-5.4		416	8	SOT23
6	ASDM2301ZA	P	-20	±10	-1	-	65	-3		405	3.3	SOT23
7	ASDM30P100Q	P	-30	±20	-2.5	2.7	4	-100	405	8000	147	PDFN5*6-8
8	ASDM30P100KQ	P	-30	±20	-2.5	5	7	-100	210	6560	30	TO-252
9	ASDM30P70AQ	P	-30	±20	-2.5	5.4	8.2	-70	144	3634	76	PDFN5*6-8
10	ASDM30P11ATD	P	-30	±20	1-2.5	5.7	7.7	55	200	2731	61	PDFN3*3-8
11	ASDM30P70Q	P	-30	±20	-2.5	5.7	8.4	-70		3386	27	PDFN5*6-8
12	ASDM30P35E	P	-30	±20	-2.5	8	11	-35		1445	32	PDFN3*3-8
13	ASDM4407BS	P	-30	±25	-2.5	8.4	11	-14	135	1859	62	SOP-8
14	ASDM30P51Q	P	-30	±20	-2.5	8.6	11.8	-51	900	1472	92	PDFN5*6-8
15	ASDM30P30BE	P	-30	±20	-2.5	10	14	-30		1757	30	PDFN3*3-8
16	ASDM30P40E	P	-30	±25	-2.5	10	14	-40	200	3482	61	PDFN3*3-8
17	ASDM30P30E	P	-30	±20	-2.5	11	15	-40	75	1120	26	PDFN3*3-8
18	ASDM30P30CS	P	-30	±20	-2.5	15	25	-9		1650	15	SOP-8
19	ASDM30P09ZB	P	-30	±12	-2.5	16	23	-9		1300	20	SOT23-3
20	ASDM3407ZA	P	-30	±20	-3	38	51	-4.1		488	7	SOT23
21	ASDM3407ZB	P	-30	±20	-2.5	40	53	-4.1		580	7	SOT23-3
22	ASDM3401ZB	P	-30	±12	-1.5	54	60	-4.2		957		SOT23-3
23	ASDM3401ZA	P	-30	±12	-1.5	65	75	-4.2		954		SOT23
24	ASDM40P90AQ	P	-40	±20	-2.5	4.4	5.8	-90		5508	118	PDFN5*6-8
25	ASDM40P90AKQ	P	-40	±20	-2.5	5.2	6.6	-90		5530	118	TO-252
26	ASDM40P100Q	P	-40	±20	-4	6.5	-	-100	245	7040	128	PDFN5*6-8
27	ASDM40P10S	P	-40	±20	-2.5	12	17	-10	118	1826	42	SOP-8
28	ASDM40P55KQ	P	-40	±20	-2.5	13.5	18	-55	150	2160	58	TO-252
29	ASDM40P10KQ	P	-40	±20	-2.5	30	41	-10		978	14	TO-252
30	ASS110P06K1M	P	-60	±20	-2.5	7.2	9.1	-85	450	3585	48	TO-252

P-MOS

S/N	Part No.	Channel	VDS (V)	VGS (V)	Vth (V)	RDS(ON) (mΩ) Typ. at VGS=		ID (A) Tc=25°C	EAS (mJ)	Ciss (pF)	Qg (nC)	Package
						10V	4.5V					
31	ASDM60R110PQ	P	-60	±20	-2.5	7.8	9.8	-80	450	3422	47.5	PDFN5*6-8
32	ASS110P06S1M	P	-60	±20	-2.5	8	10	-9	450	3602	47	SOP-8
33	AST195P06K1M	P	-60	±20	-2.5	17.1	18.6	-80	360	4151	115	TO-252
34	ASDM60P50KQ	P	-60	±20	-2.5	20	25	-50	115	3447	26	TO-252
35	ASDM60P25KQ	P	-60	±20	-2.5	30	35	-25	254	1447	10	TO-252
36	ASDM60P12KQ	P	-60	±20	-2.5	62	78	-12		968	25	TO-252
37	ASDM100R520PQ	P	-100	±20	-2.5	34	38	-40	81	1458	40	PDFN5*6-8
38	ASDM100R520PKQ	P	-100	±20	-2.5	40	41	-32	361	7802	40	TO-252
39	ASDM100R750PKQ	P	-100	±20	-2.5	75	85	-20	100	1051	20	TO-252
40	ASDM100R950PKQ	P	-100	±20	-2.5	99	115	-18	100	960	20	TO-252
41	ASDM100P13KQ	P	-100	±20	-3	170	-	-13	110	760	25	TO-252



N+P MOS

S/N	Part No.	Channel	Configuration	VDS (V)	VGS (V)	Vth (V)	RDS(ON) (mΩ) Typ. at VGS=		ID (A) Tc=25°C	EAS (mJ)	Ciss (pF)	Qg (nC)	Package
							10V	4.5V					
1	AST120C03Q1M	N	Complementary	30	±20	-2.5	9.4	15.3	40	40	682	13	PDFN5*6-8
		P		-30	±20	-2.5	25	36	-30	23	744	8.3	
2	AST120C03D6M	N	Complementary	30	±20	-2.5	10	16	37	40	682	13	PDFN3*3-8
		P		-30	±20	-2.5	25	36	27	23	744	8.3	
3	ASDM30C09S	N	Complementary	30	±20	2.5	12	18	9	24	940	10	SOP-8
		P		-30	±20	-2.5	25	42	-6.5	72	1345	13	
4	ASDM30C16E	N	Complementary	30	±20	2.5	13	19	16	7	383	7	PDFN3*3-8
		P		-30	±20	-2.5	36	53	-16	36	478	19	
5	ASDM30C16JQ	N	Complementary	30	±20	2.5	14	19	30	22	387	10	TO252-4
		P		-30	±20	-2.5	37	52	-24	45	473	10	
6	ASDM4606S	N	Complementary	30	±20	2.5	15	21	8		386	5	SOP-8
		P		-30	±20	-2.5	38	52	-6		484	14	
7	ASDM30C25E	N	Complementary	30	±20	2.4	15	23	25	15	455	11	PDFN3*3-8
		P		-30	±20	-2.4	24	40	-24	33	865	19	
8	ASDM30C25JQ	N	Complementary	30	±20	2.5	24	40	25	27	416	5	TO252-4
		P		-30	±20	-2.5	55	65	-25	110	930	10	
9	ASDM30C07S	N	Complementary	30	±20	2.5	27	40	6.2				SOP-8
		P		-30	±20	-2.5	62	110	-4				
10	ASDM40C15S	N	Complementary	40	±20	2.5	7.7	9.8	10.9	10	1980	48	SOP-8
		P		-40	±20	-2.5	14.8	18.4	-7.6	15	1938	58	
11	ASDM40C23JQ	N	Complementary	40	±20	2.5	13	16	23	28	845	10	TO252-4
		P		-40	±20	-2.5	28	39	-20	66	1009	9	
12	ASDM4614S	N	Complementary	40	±20	2.5	16	17	9		850	5	SOP-8
		P		-40	±20	-2.5	32	41	-7		980	14	
13	ASDM40C15Q	N	Complementary	40	±20	2.5	16	22	16	19	980	11	PDFN5*6-8
		P		-40	±20	-2.5	40	50	-16	27	1034	20	
14	ASDM40C10S	N	Complementary	40	±20	2.5	18	25	10				SOP-8
		P		-40	±20	-2.5	40	70	-7.5				
15	ASDM4614AS	N	Complementary	40	±20	-2.5	20	28	7		815	16	SOP-8
		P		-40	±20	-2.5	68	84	-5		953	8.3	
16	ASDM40C06S	N	Complementary	40	±20	2.5	26	35	6.1				SOP-8
		P		-40	±20	-2.5	32	46	-6				
17	ASDM60C23JQ	N	Complementary	60	±20	2.5	22	27	23	35	1039	12	TO252-4
		P		-60	±20	-2.5	61	80	-18	51	944	10	
18	ASDM4976S	N	Complementary	60	±20	2.5	25	32	6		1040	5	SOP-8
		P		-60	±20	-2.5	64	82	-6		988	14	
19	ASDM4976Q	N	Complementary	60	±20	2.5	27	32	9		1031	5	PDFN5*6-8
		P		-60	±20	-2.5	63	79	-9		946	14	

N+P MOS

S/N	Part No.	Channel	Configuration	VDS (V)	VGS (V)	Vth (V)	RDS(ON) (mΩ) Typ. at VGS=		ID (A) Tc=25°C	EAS (mJ)	Ciss (pF)	Qg (nC)	Package
							10V	4.5V					
20	AST120C03Q1M	N	Complementary	100	±20	-2.5	88	92	12	10	730	16	PDFN5*6-8
		P		-100	±20	-2.5	97	101	-10	21	1623	38	
21	AST120C03D6M	N	Complementary	100	±20	-2.5	98	104	4		723	6	SOP-8
		P		-100	±20	-2.5	122	125	-3		1774	13	

Dual MOS

S/N	Part No.	Channel	Configuration	VDS (V)	VGS (V)	Vth (V)	RDS(ON) (mΩ) Typ. at VGS=		ID (A) Tc=25°C	EAS (mJ)	Ciss (pF)	Qg (nC)	Package
							10V	4.5V					
1	ASDM3020AS	N+N	Dual	30	±20	2.5	7	12	30	121	1270	22	SOP-8
2	AST085D03E2L	N+N	Dual	30	±20	2.5	8	9.7	44	16	1016	23	PDFN5*6-8
3	ASDM30DN40E	N+N	Dual	30	±20	2.5	8	12	40	16	830	23	PDFN3*3-8
4	ASDM30DN40Q	N+N	Dual	30	±20	2.5	8.6	12	40	26	700	19	PDFN5*6-8
5	ASDM3020S	N+N	Dual	30	±20	2.5	10	13	12	26	1250	17	SOP-8
6	ASDM30DN30E	N+N	Dual	30	±20	2.5	15	20	30	24	896	10	PDFN3*3-8
7	ASDM3010S	N+N	Dual	30	±20	2.5	15	21	9	9	344	4	SOP-8
8	ASDM40DN60HQ	N+N	Dual	40	±20	4	6	-	60	50	1658	23	PDFN5*6-8
9	ASDM40DN20E	N+N	Dual	40	±20	2.5	15	18	20	70	800	23	PDFN3*3-8
10	AST170D04D6L	N+N	Dual	40	±20	2.5	17	27	20	70	357	20.5	PDFN3*3-8
11	ASDM60DN08S	N+N	Dual	60	±20	2.5	14	17	8		2080	25	SOP-8
12	ASDM60DN30Q	N+N	Dual	60	±20	2.5	14	21	30	135	589	22	PDFN5*6-8
13	ASDM60DN08AS	N+N	Dual	60	±20	2.5	16	20	8.5	-	1756	25	SOP-8
14	ASDM60DN05S	N+N	Dual	60	±20	2.5	28	31	5		1040	25	SOP-8
15	ASDM100DN35Q	N+N	Dual	100	±20	2.5	16	20	35	200	1080	26	PDFN5*6-8

GaN MOS

S/N	Part No.	Channel	VDS (V)	VGS (V)	VGS(TH) (V)	RDS(ON) (mΩ)			ID (A) Tc=25°C	SAS (mJ)	Qrr (nC)	Qg (nC)	Package
						Typ	BY	BY					
1	ASDM15GN65P	N	650	-10~7	1.0	100		210	15		115	3	TO-220
2	ASDM15GN65TE	N	650	-10~7	1.0	100		210	15		123	3	DFN8*8
3	ASDM18GN65TE	N	650	±20	4.0		100		18		606	38	DFN8*8
4	ASDM23GN65P	N	650	±20	2.0		150		23		509	12	TO-220
5	ASDM10GN65P	N	650	-10~7	1.0	160		360	10		71	2	TO-220
6	ASDM11GN65TE	N	650	±20	2.0		270		11		490	12	DFN8*8
7	ASDM13GN65P	N	650	±20	2.0		270		13		490	12	TO-220
8	ASDM9GN65TE	N	650	±20	2.0		290		9		509	21	DFN8*8
9	ASDM23GN90P	N	900	±20	4.5		175		23		606	38	TO-220

SJ - MOS

S/N	Part No.	Channel	VDS (V)	VGS (V)	Vth (V)	RDS(ON) (mΩ)		ID (A) Tc=25°C	SAS (mJ)	Qrr (nC)	Qg (nC)	Package	备注
						Typ	Max						
13	ASDM65S130NF	N	650	±30	2-4	105	130	25	750	2897	49	TO-220F	
14	ASDM65S180NTE	N	650	±30	3-4	140	180	21	497	1517	33	DFN8*8	
15	ASDM65S180NF	N	650	±30	2-4	160	180	22	500	1683	38	TO-220F	
16	ASDM65S260NF	N	650	±30	2-4	227	260	15	270	1473	25	TO-220F	
17	ASDM65S260NG	N	650	±30	2-4	224	260	15	270	1439	25	TO-263	
18	ASDM65S260NKQ	N	650	±30	2-4	225	260	15	270	1453	25	TO-252	
19	ASDM65S300NF	N	650	±30	2-4	250	300	15	54	1086	19	TO-220F	
20	ASJ360N65G1HE	N	650	±30	2-4	341	360	11	300	780	19	TO-263	
21	ASJ360N65K5HE	N	650	±30	2-4	341	360	11	300	780	19	TO-251	
22	ASJ360N65K1HE	N	650	±30	2-4	341	360	11	300	780	19	TO-252	
23	ASDM65S380NKQ	N	650	±30	2-4	292	380	7	174	1104	18	TO-252	
24	ASJ360N65F1HE	N	650	±30	2-4	341	360	11	300	780	19	TO-220F	
25	ASDM60S360NF	N	600	±30	3-4	345	360	11	210	911	19	TO-220F	
26	ASDM65S380NF	N	650	±30	2-4	312	380	12	215	1062	21	TO-220F	
27	ASDM65S380NP	N	650	±30	2-4	292	380	7				TO-220	
28	ASDM65S600NF	N	650	±30	2-4	526	600	7	68	626	11	TO-220F	
29	ASDM65S600NKQ	N	650	±30	2-4	546	600	7	68	563	11	TO-252	
30	ASDM65S850NKQ	N	650	±30	2-4	850	900	4	67	312	7.6	TO-252	
31	ASDM65S900NKQ	N	650	±30	2-4	850	900	4	68	312	8	TO-252	
32	ASDM70S380NF	N	700	±30	2-4	329	380	7	174	950	18	TO-220F	
33	ASDM70S180NF	N	700	±30	2-4	160	180	22	1422	1683	38	TO-220F	
34	ASDM70S1K1NEDT	N	700	±30	2-4		1100	2.5				SOT-223	
35	ASDM70S1K6NEDT	N	700	±30	2.5-4.5		1600	2.5				SOT-223	
36	ASDM80S300NX	N	800	±30	2-4	280	300	15	480	2330	46	TO-247	

SJ - MOS

S/N	Part No.	Channel	VDS (V)	VGS (V)	Vth (V)	RDS(ON) (mΩ)		ID (A) Tc=25°C	SAS (mJ)	Qrr (nC)	Qg (nC)	Package	备注
						Typ	Max						
1	ASDM60S028NX	N	600	±30	2-4	21	28	80	702	11109	186	TO-247	非快恢复
2	ASJ028N60L2HF	N	600	±30	3-5	22	28	91	702	8950	186	TO-247	快恢复
3	ASDM60S030NX	N	600	±30	3-5	25	30	78	1083	8520	209	TO-247	快恢复
4	ASDM60S040NX	N	600	±30	2-4	30	40	76	491	7592	133	TO-247	非快恢复
5	ASJ037N65L2HF	N	600	±20	2.5-4.5	31	37	83	1200	6319	166	TO-247	快恢复
6	ASDM60S115NX	N	650	±30	2-4	99	115	33	700	3997	79	TO-247	非快恢复
7	ASJ065N65L2HEF	N	650	±30	3-5	59	65	47	1567	6200	104	TO-247	快恢复
8	ASJ099N65F3H	N	650	±30	2-4	83	99	40	902	2900	67	TO-220	非快恢复
9	ASJ099N65F1H	N	650	±30	2-4	83	99	40	902	2900	67	TO-220F	非快恢复
10	ASJ099N65G1H	N	650	±30	2-4	83	99	40	902	2900	67	TO-263	非快恢复
11	ASJ099N65L2H	N	650	±30	2-4	83	99	40	902	2900	67	TO-247	非快恢复
12	ASDM65S099NX	N	650	±20	2-4	91	99	40	1000	3910	70	TO-247	非快恢复



SiC Diode

S/N	Part No.	反向电压 V _{rrm} (V)	平均正向电流 I _{F(AV)}	正向压降		最高工作结温 T _{jmax} (°C)	总电容电荷 (nC)	Package
				T _J =25°C	T _J =175°C			
1	ASC04065P	650	4	1.5	2.0	175	22	TO-220
2	ASC04065KQ	650	4	1.5	2.0	175	22	TO-252
3	ASC04065Q	650	4	1.5	2.0	175	10	PDFN5*6-8
4	ASC0465KQ	650	4.8	1.5	2.0	175	22	TO-252
5	ASC06065P	650	6	1.5	2.0	175	22	TO-220
6	ASC06065TE	650	6	1.5	2.0	175	22	DFN8*8
7	ASC08065P	650	8	1.5	2.0	175	26	TO-220
8	ASC08065G	650	8	1.5	2.0	175	26	TO-263
9	ASC10065P	650	10	1.5	2.0	175	33	TO-220
10	ASC10065G	650	10	1.5	2.0	175	28	TO-263
11	ASC16065P	650	16	1.5	2.0	175	41	TO-220
12	ASC16065PA	650	16	1.4	1.7	175	41	TO-220-2
13	ASC20065X	650	20	1.4	1.7	175	33	TO-247-3
14	ASC02120P	1200	2	1.4	2.1	175	11	TO-220
15	ASC05120P	1200	5	1.5	2.0	175	24	TO-220
16	ASC10120P	1200	10	1.5	2.2	175	50	TO-220
17	ASC10120KQ	1200	10	1.5	2.2	175	50	TO-252
18	ASC10120P	1200	10	1.5	2.2	175	50	TO-220
19	ASC10120X	1200	10	1.5	2.2	175	50	TO-247
20	ASC15120X	1200	15	1.5	2.2	175	67	TO-247
21	ASC20120P	1200	20	1.5	2.2	175	95	TO-220
22	ASC20120X	1200	20	1.5	2.2	175	50	TO-247-3
23	ASC40120X	1200	40	1.5	2.2	175	190	TO-247

SiC MOS

S/N	Part No.	Channel	V _{DS} (V)	R _{DS(ON)} (mΩ) Typ. at V _{GS} =	I _D (A) T _c =25°C	Package
				10V		
1	ASCM100N120TG	N	1200	17	100	DFN10*12
2	ASCM100N120X	N	1200	17	100	TO-247-3
3	ASCM100N120XD	N	1200	17	100	TO-247-4
4	ASCM87N120XD	N	1200	40	87	TO-247-4
5	ASCM60N120X	N	1200	40	60	TO-247-3
6	ASCM60N120XD	N	1200	40	60	TO-247-4
7	ASCM30N120GF	N	1200	80	30	TO-263-7
8	ASCM30N120X	N	1200	80	30	TO-247-3
9	ASCM30N120XD	N	1200	80	30	TO-247-4
10	ASCM20N120X	N	1200	160	20	TO-247-3
11	ASCM100N170X	N	1700	20	100	TO-247-3
12	ASCM5N170X	N	1700	750	5	TO-247-3

Step Down Regulator (降压DC/DC调节器)

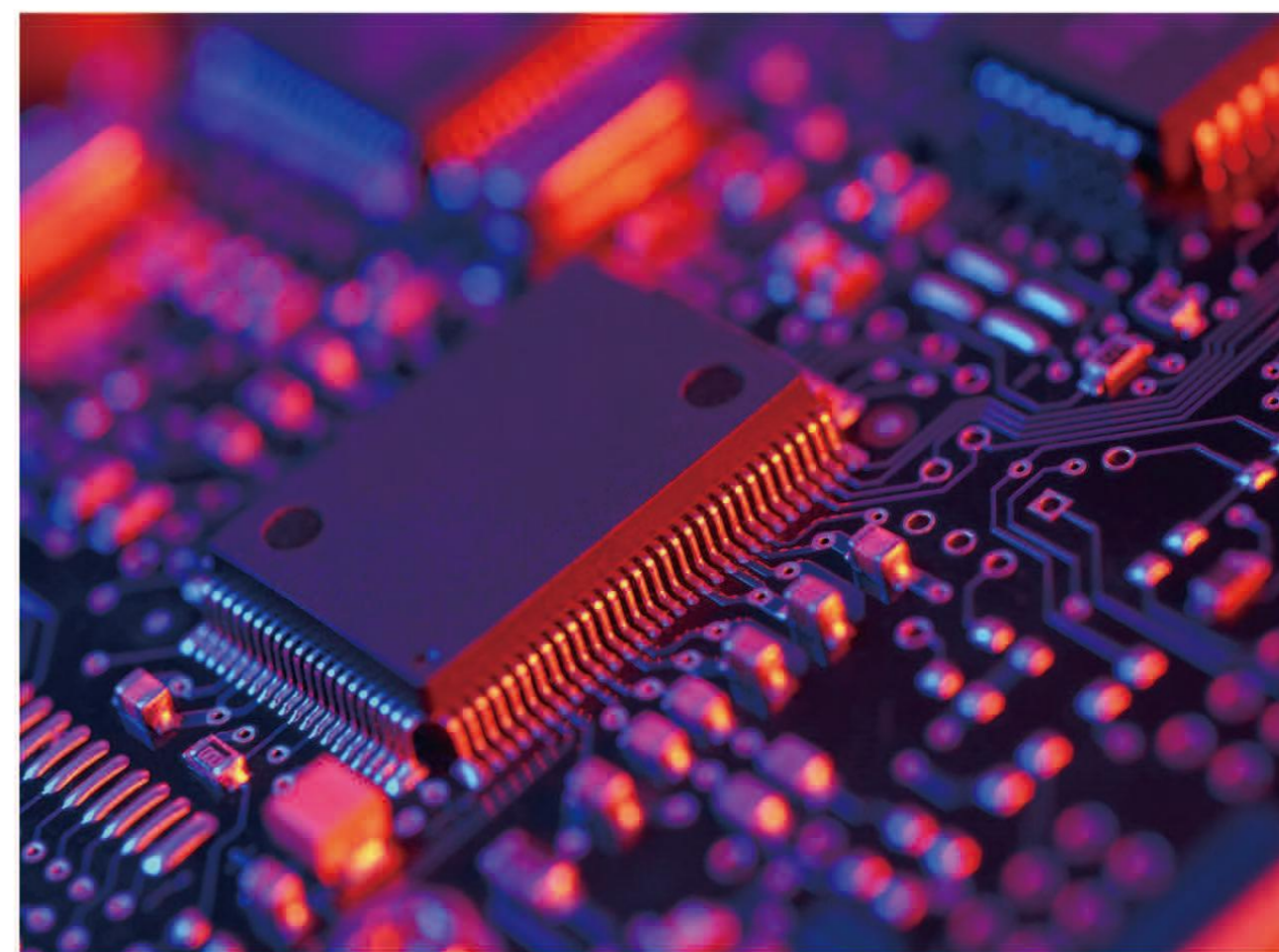
S/N	Part NO.	Function	V _{in} (V)min	V _{in} (V)max	I _{out} (A)	Switching Frequency	V _{fb} (V)	HSFET Ron(Ω)	LSFET Ron(Ω)	Special Function	Package
1	ASP3415	Sync.buck	2.5	6	1.5	1.5M	0.6	0.3	0.2	OVP 6.5V	SOT23-5
2	ASP3420	Sync.buck	2.5	6	2	1.2M	0.6	0.08	0.05	OVP 6.5V	SOT23-5
3	ASP3421	Sync.buck	2.5	6	2	1.2M	0.6	0.08	0.05	OVP 6.5V	SOT23-6
4	ASP34061	Sync.buck	2.5	6	1.2	1.5M	0.6	0.32	0.21	OVP 6.5V	SOT23-5
5	ASP3430	Sync.buck	2.7	5.5	3	1.2M	0.6	0.08	0.05	OVP 6.5V	SOT23-5
6	ASP9050	Sync.buck	2.7	5.5	5	1M	0.6	0.08	0.05	OVP 6.5V	DFN10-3×3
7	ASP075AP	Sync.buck	2.7	6	5	2.5M	0.8	0.03	0.025	Fast PWM	DFN2*2-7
8	ASP9120	Sync.buck	4.5	18	2	500K	0.6	0.11	0.07	OVP 20V	SOT23-6
9	ASP9121	Sync.buck	4.5	18	2	1.2M	0.6	0.11	0.07	OVP 20V	SOT23-6
10	ASP9122	Sync.buck	4.5	18	2	600K	0.8	0.11	0.07	OVP 20V	SOT23-6
11	ASP9125	Sync.buck	4.5	18	2	500K	0.765	0.08	0.06	OVP 20V	SOT23-6
12	ASP9127	Sync.buck	4.5	18	2	800K	0.805	0.1	0.05	OVP 20V	SOT563
13	ASP9128D	Sync.buck	4.5	18	2	1.2M	0.6	0.1	0.05	OVP 20V	SOT563
14	ASP3831	Sync.buck	4.5	18	2.5	500K	0.923	0.11	0.07	OVP 20V	ESOP8
15	ASP9130	Sync.buck	4.5	18	3	500K	0.6	0.11	0.07	OVP 20V	SOT23-6
16	ASP9131	Sync.buck	4.5	18	3	500K	0.8	0.07	0.05	OVP 20V	SOT23-6
17	ASP9132	Sync.buck	4.5	18	3	600K	0.8	0.07	0.05	OVP 20V	SOT23-6
18	ASP9133	Sync.buck	4.5	18	3	500K	0.8	0.07	0.05	OVP 20V	SOT23-6
19	ASP9135	Sync.buck	4.5	18	3	600K	0.765	0.07	0.05	OVP 20V	SOT23-6
20	ASP9140A	Sync.buck	4.5	18	4	600K	0.6	0.06	0.036	OVP 20V	SOT23-6
21	ASP9142B	Sync.buck	4.5	18	4	600K	0.8	0.06	0.036	OVP 20V	SOT23-6
22	ASP9142C	Sync.buck	4.5	18	4	600K	0.765	0.06	0.036	OVP 20V	SOT23-6
23	ASP206AS	Sync.buck	4.5	18	6	600K	0.6	0.036	0.017	OVP 20V	ESOP8
24	ASP8310	Sync.buck	4.5	30	1.2	1.4M	0.805	0.2	0.15	OVP 32V	SOT23-6
25	ASP9320	Sync.buck	4.5	30	2	500K	0.6/0.765/0.8	0.1	0.05	OVP 32V	SOT23-6
26	ASP9322	Sync.buck	4.5	30	2	500K	0.6/0.765/0.8	0.1	0.05	OVP 32V	SOT23-6
27	ASP8326	Sync.buck	4.5	30	2	500K	0.923	0.1	0.05	OVP 32V	SOP8
28	ASP8336W	Sync.buck	4.5	30	3	500K	0.923	0.13	0.1	OVP 32V	ESOP8
29	ASP9330	Sync.buck	4.5	30	3	500K	0.923	0.1	0.05	OVP 32V	ESOP8
30	ASP315AF	Sync.buck	3.6	30	5	*250KHz 300KHz 400KHz	0.8	0.043	0.027	OVP 31V	ESOP8
31	ASP395AD	Sync.buck	4	36	5	180K	0.8	0.04	0.04	OVP 39V	ESOP8

Step Down Regulator (降压DC/DC调节器)

S/N	Part NO.	Function	Vin(V)min	Vin(V)max	Iout(A)	Switching Frequency	Vfb(V)	HSFET Ron(Ω)	LSFET Ron(Ω)	Special Function	Package
32	ASP8401	Sync.buck	4.5	36	0.6	800K	0.8	0.5	0.3	OVP 42V	SOT23-6
33	ASP9420	Buck	4	38	0.6	500K	0.8	0.46	EXT. DIODE	OVP 40V	SOT23-6
34	ASP8500	Sync.buck	4.5	38	0.6	850K	0.8	0.13	0.1	OVP 50V	SOT23-6
35	ASP8411	Sync.buck	4	40	1.2	800K	0.8	0.25	0.15	OVP 42V	SOT23-6
36	ASP9430	Sync.buck	4.5	40	3	500K	0.8	0.025	0.015	OVP 42V	ESOP8
37	ASP8432W	*Sync.buck CC/CV*	7	40	3.5	150K	*Vsense 100mV*	0.085	EXT. MOS	OVP 42V	ESOP8
38	ASP8433W	Sync.buck	7	40	3.5	150K	1	0.085	EXT. MOS	OVP 42V	ESOP8
39	ASP8434W	*Sync.buck CC/CV*	5	45	3	135K	1	0.05	0.03	OVP 42V	ESOP8
40	ASP8601	Sync.buck	4.5	60	0.6	500K	0.8	0.25	0.15	OVP 62V	SOT23-6
41	ASP652A	Buck	4.5	60	2	500K	0.8	0.15	EXT. DIODE	OVP 65V	ESOP8
42	ASP1630W	Buck	4.5	60	3	*400K-2M ADJ*	0.75	0.155	EXT. DIODE	OVP 65V	ESOP8
43	ASP703A	Sync.buck	7	70	3	150K	1	0.025	*EXT. MOS OR DIODE*	OVP 75V	SOP-8
44	ASP8815W	Buck	9	80	1.5	150K	0.8	0.4	EXT. DIODE	OVP 85V	ESOP8
45	ASP8380W*	Buck	4.5	80	2	200K	0.805	0.13	EXT. DIODE	OVP 82V	ESOP8
46	ASP8A10W	Buck	9	100	1	150K	0.8	0.4	EXT. DIODE	OVP 120V	ESOP8
47	ASP1B2A	Buck	4.5	100	2	*150kHz 240kHz 420kHz*	0.78	0.5	EXT. DIODE	OVP 105V	ESOP8
48	ASP8A50QU	Sync.buck	9	100	5	150K	0.8	0.05	0.03	OVP 105V	QFN-20
49	ASP8A100SH*	Sync.buck	9	100	10	150K	0.8	EXT.MOS	EXT. MOS	OVP 105V	SOP10
50	ASP1J2A	Buck	15	180	1.5	Jittering	2.05	0.4	EXT. DIODE	OVP 185V	SOP-8

Step Up Regulator (升压DC/DC调节器)

S/N	Part NO.	Function	Vin(V)min	Vin(V)max	Switch Limit(A)	Switching Frequency	Vfb(V)	SWFET Ron(Ω)	SRFET Ron(Ω)	Special Function	Package
1	ASP9225W	Boost	2.5	6	4.5	1.2M	0.6	0.07	EXT.DIODE	VOUT=10Vmax	ESOP8
2	ASP9225AW	Boost	2.5	6	4.5	1.2M	0.6	0.07	EXT.DIODE	VOUT=12Vmax	ESOP8
3	ASP3715	Boost	2.3	5.5	4	1.2M	0.6	0.06	EXT.DIODE	VOUT=18Vmax	SOT23-6
4	ASP9220	Boost	2.5	6	4.5	1.2M	0.6	0.07	EXT.DIODE	VOUT=10Vmax	SOT23-6
5	ASP3730	Boost/LED Driver	2.5	5.5	1.6	1.2M	0.25	0.4	EXT.DIODE	VOUT=30Vmax	SOT23-6
6	ASP3740	Boost/LED Driver	2.5	5.5	1.6	1.2M	0.25	0.4	EXT.DIODE	VOUT=40Vmax	SOT23-5
7	ASDR3750	Boost	2.5	5.5	0.6	1.2M	1.23	0.5	EXT.DIODE	VOUT=30Vmax	SOT23-5
8	ASP2415	Boost / SEPIC	4	40	2.4	500K	1.215	0.25	EXT.DIODE	VOUT=38Vmax	ESOP8
9	ASP3756	Boost / SEPIC / Flyback	4	40	限流检测 120mV	200kHz-800kHz ADJ.	1.212	EXT.MOS	EXT.DIODE		ESOP8



CMOS Low Power Low Dropout Linear Regulator (CMOS低功耗低压差线性调整器)

S/N	Part NO.	Features	Vin(V) min	Vin(V) max	Iout (mA)	Iq (uA)	Vout(V)	Dropout Voltage Vov=3.3V	PSRR (dB)	Accuracy	EN Y/N	Package
1	ASPL8801	High PSRR,Fixed&adj	1.32	5.5	500/1000	95	0.85-4.3/ADJ	0.09V/1A	91	±1%	Y	DFN2*2-6/SOT23-5 /SOT89-3*
2	ASPL8807	Super Low IQ,High PSRR	1.2	5.5	350	1	0.8-5.0/ADJ	0.06V/300mA	88	±2%	Y	*DFN2*2-6/SOT23-5 /SOT23*
3	ASPL8210	High Speed Low Noise	1.8	6	500	15	1.2-5.0	0.12V/100mA	60	±2%	Y	SOT23-5/SOT89
4	ASPL8215	High Speed Low Noise	2.7	5.5	300	100	2.3-3.4	0.3V/300mA	75	±1.5%	Y	SOT23-5
5	ASPL6212	High Speed Low Noise	2	6.5	350	50	0.9-5.0	0.2V/100mA	70	±2%	Y	*SOT23/23-3/23-5 /DFN1*1-4 DFN2*2-6 *
6	ASPL6050G	High Speed Low Noise	1.5	7	500	50	1.2-3.6	0.1V/100mA	70	±1.5%	Y	SOT23-5/DFN1*1-4 /DFN2*2-6/SOT23-3
7	ASPL6050	High Speed Low Noise	1.5	7	500	28	ADJ	0.2V/100mA	70	±2%	Y	SOT23-5
8	ASPL6216	Low Power	1.8	6	300	6	1.2-5.0	0.26V/100mA	50	±2%	N	*SOT-23/SOT23-3 SOT-89-3 *
9	ASPL1110	Low Noise High PSRR	1.7	7	300	50	0.7-3.6	0.3V/300mA	75	±2%	Y	*SOT23/SOT23-5 /DFN1*1-4*
10	ASPL1111	Low Noise High PSRR	1.7	7	300	35	1.0-3.3	0.3V/300mA	85	±2%	Y	*SOT23/SOT23-5 /DFN1*1-4*
11	ASPL1301	*Super Low IQ Low Noise High PSRR*	1.7	7	300	1.5	0.8-3.6	0.3V/100mA	75	±2%	Y	*SOT23-5 DFN1*1-4*
12	ASPL1113	Low Noise High PSRR	1.7	7	600	50	0.7-3.3	0.3V/600mA	75	±2%	Y	*SOT23-3/SOT23-5 SOT89-3*
13	ASPL1115	High PSRR, High Speed	1.7	7	600	50	*ADJ(0.6V-5V)*	0.3V/600mA	75	±2%	Y	SOT23-5
14	ASPL6215	Low IQ	1.8	6	300	2	1.2-5.0	0.25V/100mA	50	±2%	N	SOT23/SOT23-3/SOT89
15	ASPL6214	Super Low IQ	1.5	8	400	0.5	1.2-5.0	0.18V/100mA	60	±2%	Y	*SOT23-3/SOT23-5 /DFN1*1-4*
16	ASPL6250	High PSRR	1.8	7	1000	25	0.6-5.0	0.06V/100mA	70	±2%	N	*SOT23-5 /SOT89/SOT223-3*
17	ASPL6201	Low IQ	2.5	12	250	2	3.0-5.0	0.21V/200mA	60	±2%	N	* SOT89-3/SOT23-3 SOT23-5*
18	ASPL62FP	Low IQ	3.5	12	350	1.5	3.0-5.0	0.17V/100mA	40	±2%	N	SOT89-3
19	ASPL72XX	Low Power LDO	3.5	15	500	2	1.8-5.0	0.26V/100mA	40	±2%	N	*SOT23-3/SOT23-5 /SOT89/SOT89-5*
20	ASPL73XX	Low Power LDO	3.5	15	250	2	2.5-5.0	0.15V/100mA	40	±2%	N	*SOT23/SOT23-3 /SOT89/TO92*
21	ASPL75XX	Low Power	2.5	15	100	2	2.0-5.0	0.3V/100mA	40	±2%	N	SOT23-3/SOT89
22	ASPL6202	Low IQ	2.5	15	150	2	2.5-5.0	0.25V/100mA	40	±2%	N	SOT23-3/SOT89
23	ASPL1600	Low IQ	2	16	300	3	1.2-5.0	0.3V/100mA	40	±2%	N	SOT23-3/SOT89-3
24	ASPL52LXXB	Low IQ	3	24	150	3	1.8-5.0	0.5V/100mA	40	±2%	N	SOT23-3/SOT23-5/SOT89
25	ASPL75XXH	Low Power	4.75	40	100	4	1.8-5.0	0.6V/100mA	40	±2%	N	SOT23-3/SOT23-5/SOT89
26	ASPL1701	Low IQ	3	40	150	5	3.0-12	0.74V/100mA	65	±2%	N	SOT23-3/SOT89-3
27	ASPL6513B	Low IQ	2.7	40	250	1.5	1.5-5.0	0.4V/100mA	80	±2%	Y	SOT23-3/SOT23-5/SOT-89/SOT-223/DFN1*1-4
28	ASPL4030	Low IQ, PG Indicator with Adjustable Delay	2.7	42	250	35	3.3, 5, 15, ADJ	0.16V/100mA	60	±2%	Y	ESOP-8

CMOS Low Power Low Dropout Linear Regulator (CMOS低功耗低压差线性调整器)

S/N	Part NO.	Features	Vin(V) min	Vin(V) max	Iout (mA)	Iq (uA)	Vout(V)	Dropout Voltage Vov=3.3V	PSRR (dB)	Accuracy	EN Y/N	Package
29	ASPL54XXB	Low IQ,High PSRR	3	45	350	2.5	1.8-5.0	0.35V/100mA	73	±2%	Y	*SOT23-3/SOT23-5 /SOT89/SOT223-3*
30	ASPL56XXB	*Low Iq, Fast Transient*	5	60	150	2	3.0-5.0	0.7V/100mA	70	±2%	N	SOT23-3/SOT23-5 /SOT89

BIPOLAR Low Dropout Linear Regulator (双极型低压差线性调整器)

S/N	Part NO.	Features	Vin(V) min	Vin(V) max	Iout (mA)	Iq (uA)	Vout(V)	PSRR	Accuracy	EN Y/N	Package
1	ASPL317L	High Current ADJ Voltage	1.25	35	1000/1500	50-100	ADJ	775	±2%	N	SOT223/TO252/TO220/TO263
2	ASPL1117	High Current	2.5	20	800/1000	3mA	1.8/2.5/3.3/5.0/ADJ	60	±2%	N	SOT223/TO252/SOT89-3
3	ASPL78L05	100mA	6	30	100	3mA	5	45	±3%	N	TO92/SOT89/SOP8
4	ASPL78M05	500mA	7	30	500	3mA	5	45	±5%	N	TO252
5	ASPL78Mxx	500A	6	40	500	5	*5; 6; 8; 9; 10; 12; 15; 24V *	50	±2%	N	TO-220/TO-252
6	ASPL7110	1000MA	3.2	30	1000	1.8mA	1.2-5.0	40	±2%	N	SOT89-3
7	ASPL7805	1000mA	7	30	1000	3mA	5	45	±5%	N	TO220

Reference Voltage Comparator 基准电压比较器

S/N	Part Number	Features	VIN (V@Max)	Voltage Accuracy	Icharge (mA@Max)	Package
1	ASPL431A	2.495V电压基准	36	0.50%	100	SOT23/TO92
2	ASPL432A	1.25V电压基准	36	0.50%	100	SOT23/TO92

Comparators 比较器

S/N	Part Number	Channel	VIN(V)	Bias Current	Offset Voltage	Package
1	ASOP393	2	2-36	4nA	± 3.0 mV	SOP8
2	ASOP339	4	2-36	4nA	± 3.0 mV	SOP14

Power Supply Supervisor (电压检测复位芯片)

S/N	Part Number	Features	VIN(V)	Voltage Accuracy	Detectable Voltage	Package
1	AS809	Reset Active <250mS	1.2-7.5	±2%	2.63V, 2.93V, 3.08V, 4.00V, 4.38V, 4.63V	SOT23/SOT23-3/SOT89-3

VBUS 限流开关芯片

S/N	Part Number	Features	VIN(V)	Current Limit(A)	Function	Package
1	ASPS6601	Integrated power switch for bus-powered Universal Serial application	2.7-5.5	2A, 2.5A, 3A, 3.4A	Active High or Active Low	SOT23-5, TSOT23-5, TSOT23-6, MSOP-8, DFN-6

Noise Reduction Operational Amplifiers 降噪类运放

S/N	Product No.	Description	Characteristic	Vin(V)	Icc(mA)	THD(%)	Package
1	ASOPD4580	Dual Operational Amplifiers	Low Noise	4.0-36	6	0.005	SOP8/DIP8
2	ASOPD4558	Dual Operational Amplifiers	Low Noise	4.0-36	6	0.005	SOP8/DIP8

General Operational Amplifiers 普通类运放

S/N	Product No.	Channel	Power Supply(V)	GBW (MHz)	Slew Rate (V/μs)	Input Bias Current(pA)	Iq/CH (μA)	Max Vos (mV)	Noise @1KHz Typ(nV/√Hz)	Rail to Rail Input /Output	Package
1	ASOP321H	1	3-36	1	0.5	20	250	5	48	Y/Y	SOT23-5
2	ASOP358H	2	3-36	1	0.5	20	250	5	48	Y/Y	SOP8/MSOP8
3	ASOP324H	4	3-36	1	0.5	20	250	5	48	Y/Y	SOP14/TSSOP14

Micro Power Operational Amplifiers 低功耗类运放

S/N	Product No.	Channel	Power Supply(V)	GBW (MHz)	Slew Rate (V/μs)	Input Bias Current(pA)	Iq/CH (μA)	Max Vos (mV)	Noise @1KHz Typ(nV/√Hz)	Rail to Rail Input /Output	Package
1	ASOP321	1	2.1-5.5	1	0.6	1	40	3.5	27	Y/Y	SOT23-5/SC70-5
2	ASOP358	2	2.1-5.5	1	0.6	1	40	3.5	27	Y/Y	SOP-8/MSOP-8
3	ASOP324	4	2.1-5.5	1	0.6	1	40	3.5	27	Y/Y	SOP-14/TSSOP-14
4	ASOP3130	4	2.1-5.5	1	0.6	1	40	3.5	27	Y/Y	QFN16(3*3)
5	ASOP6002	2	1.8-6	1	0.8	1	75	3.5	27	Y/Y	SOP-8/MSOP-8
6	ASOP6004	4	1.8-6	1	0.8	1	75	3.5	27	Y/Y	SOP-14/TSSOP-14

High Precision Operational Amplifiers 零漂移类运放

S/N	Product No.	Channel	Power Supply(V)	GBW (MHz)	Slew Rate (V/μs)	Input Bias Current(pA)	Iq/CH (μA)	Max Vos (mV)	Noise @1KHz Typ(nV/√Hz)	Rail to Rail Input /Output	Package
1	ASOP333	1	1.8-5.5	0.35	0.2	20	25	10	70	Y/Y	SOT23-5/SC70-5
2	ASOP2333	2	1.8-5.5	0.35	0.2	20	25	10	70	Y/Y	SOP-8/MSOP-8
3	ASOP4333	4	1.8-5.5	0.35	0.2	20	25	10	70	Y/Y	SOP-14/TSSOP-14
4	ASOP8551	1	1.8-5.5	1.8	0.95	20	180	30	38	Y/Y	SOT23-5
5	ASOP8552	2	1.8-5.5	1.8	0.95	20	180	30	38	Y/Y	SOP-8/MSOP-8

Low Noise Operational Amplifiers 低噪声类运放

S/N	Product No.	Channel	Power Supply(V)	GBW (MHz)	Slew Rate (V/μs)	Input Bias Current(pA)	Iq/CH (μA)	Max Vos (mV)	Noise @1KHz Typ(nV/√Hz)	Rail to Rail Input /Output	Package
1	ASOP8631	1	2.1-5.5	6	4.2	1	470	3.5	13	Y/Y	SOT23-5/SC70-5
2	ASOP8632	2	2.1-5.5	6	4.2	1	470	3.5	13	Y/Y	SOP-8/MSOP-8
3	ASOP8634	4	2.1-5.5	6	4.2	1	470	3.5	13	Y/Y	SOP-14/TSSOP-14

Darlington Sink Driver 驱动芯片

S/N	Product No.	Feature	Vin(V)	Iout(mA)	Package	Compatible Device
1	ASUL2003	7列达林顿驱动	50	500	SOP16	
2	ASUL2803	8列达林顿驱动	50	500	SOP18	

RS485/RS422 (接口芯片)

S/N	AS09eml	产品简介	MAXM	芯片	SPM	AD	Interal	应用领域
1	ASRS3085	半双工RS485, VCC=5V, 500Kbps, 有极性	MAX3082E	SN65HVD3082E	SP483E	ADM487E	ISL3152E	通用, 可用于智能电表 安防监控系统中的智能云台, 门禁, 消防报警系统等工业自 动化领域的USB接口转换器, 摄像头和红外摄像头接口, PIC/微处理器 共享单车分体锁 智慧停车系统 DTU/RTU无线数据传输
			MAX13082E	SN65LBC182	SP3085E		ISL83082E	
			MAX3085E	SN65HVD3085E	SP3082E	ADM483E	ISL8487E	
			MAX13085E	HVD1500	SP4082E		ISL81487E	
2	ASRS3085W	半双工RS485, VCC=3.3V/5V, 500Kbps, 有极性	MAX3072E	SN65HVD72	SP3483E	ADM3072E	ISL83072E	
			MAX3483E		SP3072E	ADM3483E	ISL83483	
			MAX3075E		SP3075E	ADM3075E	ISL3172E	
3	ASRS3085N	半双工RS485, VCC=5V, 500Kbps, 无极性	NA		NA	NA		
4	ASL485	半双工RS485, VCC=5V, 10Mbps, 有极性	MAX3088E	SN75HVD08	SP485E	ADM485E	ISL83088E	
			MAX485E	SN65LBC176	SP481E	LTC1485	ISL8485E	
5	ASRS3081	半双工RS485, VCC=3.3V/5V, 1Mbps, 有极性	MAX3078E	SN65HVD08	SP3485	ADM3485E	ISL83078E	
			MAX3485E	SN65HVD11	SP3078E	ADM3078E	ISL83485	
6	ASRS490H	全双工RS422, VCC=3.3V/5V, 1Mbps	MAX490	SN65HVD51	SP490	ADM490	ISL8490E	
			MAX3490	SN65HVD52	SP3490	ADM3490		
7	ASRS491	全双工RS422, VCC=3.3V/5V, 1Mbps, 有极性控制	MAX491	SN65HVD54	SP491	ADM491	ISL8491E	
			MAX3491	SN65HVD55	SP3491	ADM3491		
8	ASRS3070	全双工RS422, VCC=3.3V/5V, 16Mbps, 有极性控制	MAX3070	SN65HVD34	SP3070	ADM3070	ISL83070E	
9	ASRS3071	全双工RS422, VCC=3.3V/5V, 16Mbps	MAX3071	SN65HVD31	SP3071	ADM3071	ISL83071E	
10	ASRS3079	可兼容RS485/RS422通用接口芯片	MAX3079	NA	NA	NA	NA	

RS232 (接口芯片)

S/N	AS09eml	产品简介	MAXM	芯片	SPM	AD	Interal	应用领域
1	ASRS3220E	3.3V-5V工作电压, 1个驱动器, 1个接收器, 接收器极性控制, 关断功能, 传输速率250Kbps	MAX3220E	TR53220E	SP3220E	ADM3220E	ICL3220E	收银系统, POS收银 串口服务器 数据采集器
2	ASRS3221E	3.3V-5V工作电压, 1个驱动器, 1个接收器, 接收器极性控制, 关断功能, 自动唤醒功能, 传输速率250Kbps	MAX3221E	TR53221E	SP3221E	ADM3221E	ICL3221E	
3	ASRS3222E	3.3V-5V工作电压, 2个驱动器, 2个接收器, 接收器极性控制, 关断功能, 传输速率250Kbps	MAX3222E	TR53222E	SP3222E	ADM3222E	ICL3222E	
4	ASL3232E	3.3V-5V工作电压, 2个驱动器, 2个接收器, 传输速率250Kbps	MAX3232E	TR53232E	SP3232E	ADM3202E	ICL3232E	
5	ASRS3223E	3.3V-5V工作电压, 2个驱动器, 2个接收器, 接收器极性控制, 关断功能, 自动唤醒功能, 传输速率250Kbps	MAX3223E	TR53223E	SP3223E	ADM3223E	ICL3223E	
6	ASRS3243F	3.3V-5V工作电压, 3个驱动器, 5个接收器, 关断功能, 自动唤醒功能, 传输速率1000Kbps	MAX3243E	TR53243E	SP3243E	ADM3243E	ICL3243E	32C接口终端主机, 主要用于 收银系统, 数据采集, 传输设备, POS系统, 数字电视, 金融自助, 工业控制等
7	ASRS213E	5V工作电压, 4个驱动器, 5个接收器, 接收器极性控制, 关断功能, 传输速率1000Kbps	MAX213E	TR5213E	SP213E	ADM213E	ICL213E	

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- 企业价值观:

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功率器件

高中低压MOSFET, SiC, GaN; Trench, SGT, 超结等工艺



应用领域



通用开关电源
PD快充\无线充
充电宝\车充



BLDC控制
电动工具\智能家居
散热风扇\无人机



新能源
储能\BMS\逆变器
充电桩\光伏路灯



小家电
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香薰机\筋膜枪



汽车电子
LED车灯
行车记录仪



安防周边
门禁系统
摄像头

产品优势:

RDS(ON)小, Qg低, Trr小, EAS高, 产品种类齐全

模拟芯片

ADC/DAC, DC/DC, LDO, 接口IC, 复位IC, 开关IC, 马达驱动IC, 运算放大器



应用领域



工业控制



通用开关电源
伺服器\安防周边
数据采集器



BLDC控制
电动工具
散热风扇\无人机



便携储能
BMS\逆变器
光伏路灯



家电板卡
咖啡机\破壁机
电动牙刷



电脑周边
USB扩展坞
便携投影机



医美大健康
美甲仪\美容仪
香薰机\筋膜枪



汽车电子
LED车灯\行车记录仪
车载网络摄像机



充电桩



智能家居
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吹风机\吸尘器

产品优势:

能效高, 电路元件少, 抗干扰性强, 防ESD能力强, EMI/EMC易处理