



AUTOMOTIVE PRODUCT CATALOGUE

车规产品手册



2023年3月第四版

20⁺ 年来的发展历程和突破

中国功率器件前三强企业

中国极少数深度垂直一体化全产业链 (IDM) 企业

全球功率分立器件行业 TOP12, 细分市场行业 TOP1

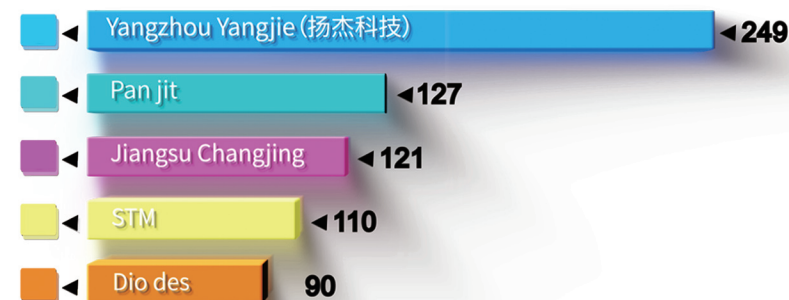
公司简介 Company Profile

公司名称	扬州扬杰电子科技股份有限公司	总部所在地	扬州市邗江区荷叶西路6号
成立时间	2000年	注册资本	51240.0109万元整
上市时间	2014年1月23日 (深交所)	股票代码	300373
主营产品	MOSFET、IGBT、SiC、整流器件、保护器件、小信号、WAFER、硅片、外延片		

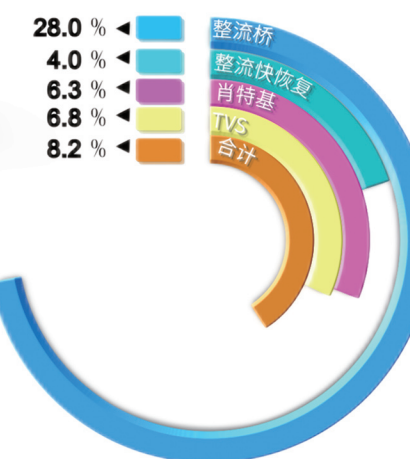


中国功率二极管前五大供应商

(百万美元)



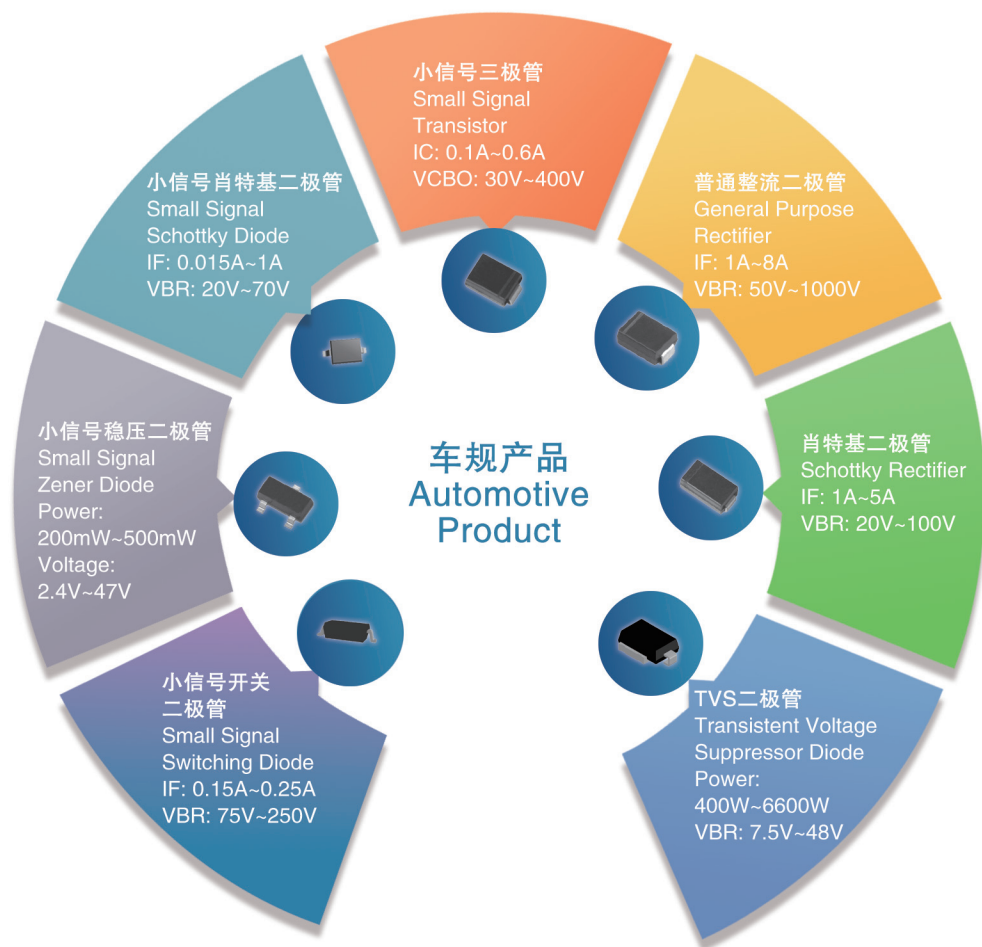
整流桥市占率全球第一



公司沿革 Milestone

- | | | | |
|-------|---|-------|---|
| 2000年 | 扬杰成立, 开启YJ民族工业企业成长之路 | 2006年 | 设立第一个封装工厂, 成功从贸易走上了产销研一体化之路 |
| 2009年 | 设立GPP晶圆FAB, 成为集芯片设计、晶圆制造、封装测试、销售服务为一体的分立器件IDM企业 | 2012年 | 300373成功登录创业板
设立汽车芯片工厂
成立台湾办事处 |
| 2015年 | 设立6寸晶圆FAB
全资收购MCC
韩国办事处成立 | 2016年 | 成立低压MOS研发中心
成立碳化硅研发团队
大功率汽车电子芯片项目奠基 |
| 2017年 | 投资建设小信号封装产品线
收购成都青洋
成立汽车电子项目部 | 2018年 | 收购宜兴杰芯半导体
设立车用封装专线 |
| 2020年 | 设立扬州5号工厂, 设立IGBT产线
收购菱芯, 通过AEO认证
成立泗洪红芯 | 2021年 | 成立无锡MOS分公司
收购润奥、收购雅吉芯
CRM系统上线 |
| 2022年 | 收购楚微8寸晶圆FAB
设立台湾/日本研发中心
6号厂投入使用 | | |

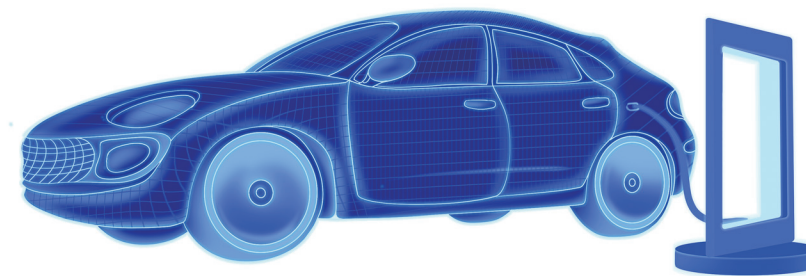
01 产品大类 Product Type



02 产品特点 Product Features

- 先进的自动化生产设备确保产品精度和稳定的可靠性
Advanced Automatic equipment to ensure product precision and stability
- 汽车电子制程方法确保工艺参数控制免出错
Automatic recipe control function to provide error-proof method for process parameter control
- 全自动化生产流程
Entirely hand-free manufacturing process flow
- 先进的MES制造系统监控产品生产流程
Advanced MES manufacturing system to monitor product manufacturing process flow
- 汽车电子产品专线设备工程师和操作人员均持有车规级上岗证
Dedicated Auto product line with certified equipment technician and operator
- 全系列整流器件产品方案，多达几十种封装
Complete rectifier product portfolio with diversified packages
- 所有产品均符合AECQ101信赖性测试标准，可供PPAP体系资料
Comply with Automotive Electronic Council AECQ101 Automotive Reliability Testing standards, Are capable of supporting the Production Part Approval Process (PPAP)
- 公司体系通过了IATF16949和ISO9001认证
Is registered automotive quality system IATF16949 and product design with ISO9001

03 产品应用 Application



充电桩 & OBC

重点产品推荐：
MOSFET、功率三极管、小信号稳压管、肖特基、TVS、IGBT、SiC 二极管等器件

<p>车灯</p> <p>重点产品推荐： MOSFET、功率三极管、小信号稳压管、肖特基、TVS 等器件</p>	<p>智能座舱</p> <p>重点产品推荐： 信号类 MOSFET、功率三极管、整流器件、CAN/LIN ESD、稳压管、TVS 等器件</p>	<p>BMS</p> <p>重点产品推荐： 信号类 MOSFET、CAN/LIN ESD、稳压管、TVS 等器件</p>	<p>三电 (电驱 / 电控 / 电机)</p> <p>重点产品推荐： MOSFET、功率三极管、小信号稳压管、肖特基、TVS 等器件</p>
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04 我们的客户 Our Clients



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小信号开关二极管 SMALL SIGNAL SWITCHING DIODE

型号 TYPE NO.	损耗功率 PD	平均电流 IF	不重复反向电压 VR	正向电压 VF		反向漏电流 IRM		反向恢复时间 trr	印字代码 Marking Code	封装 Package
				正向电压 VF	正向测试电流 IF	反向漏电流 IRM	反向测试电流 VR			
				(V)	(mA)	(uA)	(V)			
1N4148WQ	400	150	75	1.0	50	1.0	75	4	T4	SOD-123
BAS16WQ	350	300	75	0.855	10	1.0	75	6	T4	SOD-123
1N4448WQ	500	250	100	1.0	100	0.2	75	4	T5	SOD-123
BAV19WQ	410	200	100	1.0	100	0.1	100	50	A8	SOD-123
BAV20WQ	410	200	150	1.0	100	0.1	150	50	T2	SOD-123
BAV21WQ	410	200	200	1.0	100	0.1	200	50	T3	SOD-123
1N4148WSQ	200	150	75	1.0	10	1	75	4	T4	SOD-323
1N4448WSQ	200	250	75	0.72	5	0.2	75	4	T5	SOD-323
BAV19WSQ	250	200	100	1.0	100	0.1	100	50	A8	SOD-323
BAV20WSQ	250	200	150	1.0	100	0.1	150	50	T2	SOD-323
BAV21WSQ	250	200	200	1.0	100	0.1	200	50	T3	SOD-323
1SS355Q	200	150	80	1.2	100	0.1	80	4	A	SOD-323
BAS16WSQ	200	200	100	1.0	50	1	75	6	T4	SOD-323
BAS316Q	200	250	100	0.855	10	1	75	4	A6	SOD-323
BAS516Q	150	250	100	1.25	150	1	75	4	61	SOD-523
1N4148WTQ	150	150	100	1.0	100	1	75	4	T4	SOD-523
MMBD4148Q	350	200	100	1.2	100	5	75	4	KA2	SOT-23
BAS21Q	350	200	250	1.25	200	0.1	200	50	JS	SOT-23
BAW56Q	350	200	100	1.25	150	1	75	4	A1	SOT-23
BAV70Q	350	200	100	1.25	150	1	75	4	A4	SOT-23
BAV99Q	350	200	100	1.25	150	1	75	4	A7	SOT-23
BAS16Q	350	150	75	1.25	150	1	75	4	A6	SOT-23
BAV23AQ	350	225	250	1.0	100	0.1	200	50	KT7	SOT-23
BAV23CQ	350	225	250	1.0	100	0.1	200	50	KT6	SOT-23
BAV23SQ	350	225	250	1.0	100	0.1	200	50	KL31	SOT-23
BAV199Q	250	125	100	1.25	150	0.005	75	3000	JY	SOT-23
BAV199WTQ	200	150	85	1.25	150	0.005	75	3000	K52	SOT-323
BAV70WTQ	200	150	75	1.25	150	2.5	75	4	KJA	SOT-323
BAV99WTQ	200	150	75	1.25	150	2.5	75	4	KJG	SOT-323
BAW56WTQ	200	150	75	1.25	150	2.5	75	4	KJC	SOT-323
BAS16WTQ	200	300	75	1.25	150	1.0	75	4	A2	SOT-323
BAV116WQ	250	200	100	1.25	150	0.005	75	3	XX	SOD-123



SOD-123



SOD-323



SOD-523



SOT-23

小信号肖特基二极管 SMALL SIGNAL SCHOTTKY DIODE

型号 TYPE NO.	不重复反向 电压VR	平均电流 IF	浪涌电流 IFSM	正向电压 VF	正向电流 @IF	反向漏电流 IR	反向电压 IR@VR	反向恢复时间 Trr	印字代码 Marking Code	封装 Package
	(V)	(A)	(A)	(V)	(mA)	(uA)	(V)	(ns)		
SD101AWQ	60	0.07	0.7	0.41	1	0.2	50	-	S1	SOD-123
SD101BWQ	50	0.07	0.7	0.40	1	0.2	40	-	S2	SOD-123
SD101CWQ	40	0.07	0.7	0.39	1	0.2	30	-	S3	SOD-123
SD103AWQ	40	0.35	1.5	0.6	200	5	30	-	S4	SOD-123
SD103BWQ	30	0.35	1.5	0.6	200	5	20	-	S5	SOD-123
SD103CWQ	20	0.35	1.5	0.6	200	5	10	-	S6	SOD-123
B0530WQ	30	0.5	5.5	0.55	500	100	30	-	R31	SOD-123
B0540WQ	40	0.5	5.5	0.51	500	20	40	-	R41	SOD-123
B5817WQ	20	1	10	0.45	1000	200	20	-	SJ	SOD-123
B5818WQ	30	1	10	0.55	1000	40	30	-	SK	SOD-123
B5819WQ	40	1	10	0.6	1000	40	40	-	SL	SOD-123
BAT46WQ	100	0.15	0.75	1	250	2	75	-	S9	SOD-123
BAT54WQ	30	0.2	0.6	1	100	2	25	5	L9	SOD-123
B5817WSQ	20	1	10	0.45	1000	200	20	-	SJ	SOD-323
B5818WSQ	30	1	10	0.55	1000	40	30	-	SK	SOD-323
B5819WSQ	40	1	10	0.6	1000	40	40	-	SL	SOD-323
SD101AWSQ	60	0.07	0.7	0.41	1	0.2	50	-	S1	SOD-323
SD101BWSQ	50	0.07	0.7	0.40	1	0.2	40	-	S2	SOD-323
SD101CWSQ	40	0.07	0.7	0.39	1	0.2	30	-	S3	SOD-323
SD103AWSQ	40	0.35	1.5	0.6	200	5	30	-	S4	SOD-323
SD103BWSQ	30	0.35	1.5	0.6	200	5	20	-	S5	SOD-323
SD103CWSQ	20	0.35	1.5	0.6	200	5	10	-	S6	SOD-323
B0530WSQ	30	0.5	5	0.55	500	100	30	-	SE	SOD-323
B0540WSQ	40	0.5	5.5	0.55	500	80	40	-	4	SOD-323
BAT46WSQ	100	0.15	0.75	1	250	2	75	-	S9	SOD-323
BAT54WSQ	30	0.2	0.6	1	100	2	25	5	L9	SOD-323
RB551V-30Q	30	0.5	2	0.47	500	100	20	-	D	SOD-323
RB751V-40Q	40	0.03	0.2	0.37	1	0.5	30	-	5	SOD-323
RB520S-30Q	30	0.2	1	0.6	200	1	10	-	B	SOD-523
RB520S-40Q	40	0.2	1	0.55	100	1	10	-	3B	SOD-523
RB521S-30Q	30	0.2	1	0.5	200	30	10	-	C	SOD-523
RB521S-40Q	40	0.2	1	0.59	200	5	30	-	S	SOD-523
BAT54Q	30	0.2	0.6	1	100	2	25	5	KL1	SOT-23
BAT54AQ	30	0.2	0.6	1	100	2	25	5	KL2	SOT-23
BAT54CQ	30	0.2	0.6	1	100	2	25	5	KL3	SOT-23
BAT54SQ	30	0.2	0.6	1	100	2	25	5	KL4	SOT-23
BAS40Q	40	0.12	0.6	1	40	0.2	30	5	43	SOT-23
BAS40-04Q	40	0.12	0.6	1	40	0.2	30	5	44	SOT-23
BAS40-05Q	40	0.12	0.6	1	40	0.2	30	5	45	SOT-23
BAS40-06Q	40	0.12	0.6	1	40	0.2	30	5	46	SOT-23
BAS70Q	70	0.07	0.1	0.41	1	0.2	50	5	73	SOT-23



SOD-123



SOD-323



SOD-523



SOT-23

小信号肖特基二极管 SMALL SIGNAL SCHOTTKY DIODE

型号 TYPE NO.	不重复反向 电压VR	平均电流 IF	浪涌电流 IFSM	正向电压 VF	正向电流 @IF	反向漏电流 IR	反向电压 IR@VR	反向恢复时间 Trr	印字代码 Marking Code	封装 Package
	(V)	(A)	(A)	(V)	(mA)	(uA)	(V)	(ns)		
BAS70-04Q	70	0.07	0.1	0.41	1	0.2	50	5	74	SOT-23
BAS70-05Q	70	0.07	0.1	0.41	1	0.2	50	5	75	SOT-23
BAS70-06Q	70	0.07	0.1	0.41	1	0.2	50	5	76	SOT-23
BAT54WTQ	30	0.2	0.6	1	100	2	25	5	KL5	SOT-323
BAT54AWTQ	30	0.2	0.6	1	100	2	25	5	KL6	SOT-323
BAT54CWTQ	30	0.2	0.6	1	100	2	25	5	KL7	SOT-323
BAT54SWTQ	30	0.2	0.6	1	100	2	25	5	KL8	SOT-323
BAS40WTQ	40	0.12	0.6	1	40	0.2	30	5	43	SOT-323
BAS40WT-04Q	40	0.12	0.6	1	40	0.2	30	5	44	SOT-323
BAS40WT-05Q	40	0.12	0.6	1	40	0.2	30	5	45	SOT-323
BAS40WT-06Q	40	0.12	0.6	1	40	0.2	30	5	46	SOT-323
BAS70WTQ	70	0.07	0.1	0.41	1	0.2	50	5	K73	SOT-323
BAS70WT-04Q	70	0.07	0.1	0.41	1	0.2	50	5	K74	SOT-323
BAS70WT-05Q	70	0.07	0.1	0.41	1	0.2	50	5	K75	SOT-323
BAS70WT-06Q	70	0.07	0.1	0.41	1	0.2	50	5	K76	SOT-323
RB751S-40Q	40	0.03	1	0.37	1	0.5	30	7	4B	SOD-523
BAS40WSQ	40	0.2	0.6	0.37	1	0.5	30	5	43	SOD-323



SOT-23



SOT-323



SOD-523



SOD-323

小信号稳压二极管 SMALL SIGNAL ZENER DIODE

型号 TYPE NO.	损耗功率 PD (mW)	稳压值Vz@Izt			测试电流 Izt (mA)	动态电阻 Zzt@Izt (Ω)	测试电流 Izt (mA)	动态电阻 Zzk@Izk (Ω)	反向漏电流 IR@VR (uA)	反向测试 电压VR (V)	印字代码 Marking Code	封装 Package
		Min (V)	Nom (V)	Max (V)								
BZT52B3V6Q	500	3.53	3.6	3.67	5	90	1	600	5	1	2W4	SOD-123
BZT52B3V9Q	500	3.82	3.9	3.98	5	90	1	600	3	1	2W5	SOD-123
BZT52B4V3Q	500	4.21	4.3	4.39	5	90	1	600	3	1	2W6	SOD-123
BZT52B4V7Q	500	4.61	4.7	4.79	5	80	1	500	3	2	2W7	SOD-123
BZT52B5V1Q	500	5	5.1	5.2	5	60	1	480	2	2	2W8	SOD-123
BZT52B5V6Q	500	5.49	5.6	5.71	5	40	1	400	1	2	2W9	SOD-123
BZT52B6V2Q	500	6.08	6.2	6.32	5	10	1	150	3	4	2WA	SOD-123
BZT52B6V8Q	500	6.66	6.8	6.94	5	15	1	80	2	4	2WB	SOD-123
BZT52B7V5Q	500	7.35	7.5	7.65	5	15	1	80	1	5	2WC	SOD-123
BZT52B8V2Q	500	8.04	8.2	8.36	5	15	1	80	0.7	5	2WD	SOD-123
BZT52B9V1Q	500	8.92	9.1	9.28	5	15	1	100	0.5	6	2WE	SOD-123
BZT52B10Q	500	9.8	10	10.2	5	20	1	150	0.2	7	2WF	SOD-123
BZT52B11Q	500	10.78	11	11.22	5	20	1	150	0.1	8	2WG	SOD-123
BZT52B12Q	500	11.76	12	12.24	5	25	1	150	0.1	8	2WH	SOD-123
BZT52B13Q	500	12.74	13	13.3	5	30	1	170	0.1	8	2WI	SOD-123
BZT52B15Q	500	14.7	15	15.3	5	30	1	200	0.1	10.5	2WJ	SOD-123
BZT52B16Q	500	15.68	16	16.3	5	40	1	200	0.1	11.2	2WK	SOD-123
BZT52B18Q	500	17.6	18	18.4	5	45	1	225	0.1	12.6	2WL	SOD-123
BZT52B20Q	500	19.6	20	20.4	5	55	1	225	0.1	14	2WM	SOD-123
BZT52B22Q	500	21.56	22	22.44	5	55	1	250	0.1	15.4	2WN	SOD-123
BZT52B24Q	500	23.52	24	24.5	5	70	1	250	0.1	16.8	2WO	SOD-123
BZT52B27Q	500	26.46	27	27.54	2	80	0.5	300	0.1	18.9	2WP	SOD-123
BZT52B30Q	500	29.4	30	30.6	2	80	0.5	300	0.1	21	2WQ	SOD-123
BZT52B33Q	500	32.34	33	33.7	2	80	0.5	325	0.1	23.1	2WR	SOD-123
BZT52B36Q	500	35.28	36	36.72	2	90	0.5	350	0.1	25.2	2WS	SOD-123
BZT52B39Q	500	38.22	39	39.8	2	130	0.5	350	0.1	27.3	2WT	SOD-123
BZT52B43Q	500	42.14	43	43.86	2	100	0.5	700	0.1	32	2WU	SOD-123
BZT52B47Q	500	46.06	47	47.94	2	100	0.5	750	0.1	35	2WV	SOD-123
BZT52C2V4Q	500	2.28	2.4	2.56	5	100	1	600	50	1	WX	SOD-123
BZT52C2V7Q	500	2.5	2.7	2.9	5	100	1	600	20	1	W1	SOD-123
BZT52C3V0Q	500	2.8	3	3.2	5	95	1	600	10	1	W2	SOD-123
BZT52C3V3Q	500	3.1	3.3	3.5	5	95	1	600	5	1	W3	SOD-123
BZT52C3V6Q	500	3.4	3.6	3.8	5	90	1	600	5	1	W4	SOD-123
BZT52C3V9Q	500	3.7	3.9	4.1	5	90	1	600	3	1	W5	SOD-123
BZT52C4V3Q	500	4	4.3	4.6	5	90	1	600	3	1	W6	SOD-123
BZT52C4V7Q	500	4.4	4.7	5	5	80	1	500	3	2	W7	SOD-123
BZT52C5V1Q	500	4.8	5.1	5.4	5	60	1	480	2	2	W8	SOD-123
BZT52C5V6Q	500	5.2	5.6	6	5	40	1	400	1	2	W9	SOD-123
BZT52C6V2Q	500	5.8	6.2	6.6	5	10	1	150	3	4	WA	SOD-123
BZT52C6V8Q	500	6.4	6.8	7.2	5	15	1	80	2	4	WB	SOD-123
BZT52C7V5Q	500	7	7.5	7.9	5	15	1	80	1	5	WC	SOD-123
BZT52C8V2Q	500	7.7	8.2	8.7	5	15	1	80	0.7	5	WD	SOD-123



SOD-123

小信号稳压二极管 SMALL SIGNAL ZENER DIODE

型号 TYPE NO.	损耗功率 PD (mW)	稳压值Vz@Izt			测试电流 Izt (mA)	动态电阻 Zzt@Izt (Ω)	测试电流 Izt (mA)	动态电阻 Zzk@Izk (Ω)	反向漏电流 IR@VR (uA)	反向测试 电压VR (V)	印字代码 Marking Code	封装 Package
		Min (V)	Nom (V)	Max (V)								
BZT52C9V1Q	500	8.5	9.1	9.6	5	15	1	100	0.5	6	WE	SOD-123
BZT52C10Q	500	9.4	10	10.6	5	20	1	150	0.2	7	WF	SOD-123
BZT52C11Q	500	10.4	11	11.6	5	20	1	150	0.1	8	WG	SOD-123
BZT52C12Q	500	11.4	12	12.7	5	25	1	150	0.1	8	WH	SOD-123
BZT52C13Q	500	12.4	13	14.1	5	30	1	170	0.1	8	WI	SOD-123
BZT52C15Q	500	13.8	15	15.6	5	30	1	200	0.1	10.5	WJ	SOD-123
BZT52C16Q	500	15.3	16	17.1	5	40	1	200	0.1	11.2	WK	SOD-123
BZT52C18Q	500	16.8	18	19.1	5	45	1	225	0.1	12.6	WL	SOD-123
BZT52C20Q	500	18.8	20	21.2	5	55	1	225	0.1	14	WM	SOD-123
BZT52C22Q	500	20.8	22	23.3	5	55	1	250	0.1	15.4	WN	SOD-123
BZT52C24Q	500	22.8	24	25.6	5	70	1	250	0.1	16.8	WO	SOD-123
BZT52C27Q	500	25.1	27	28.9	2	80	0.5	300	0.1	18.9	WP	SOD-123
BZT52C30Q	500	28	30	32	2	80	0.5	300	0.1	21	WQ	SOD-123
BZT52C33Q	500	31	33	35	2	80	0.5	325	0.1	23.1	WR	SOD-123
BZT52C36Q	500	34	36	38	2	90	0.5	350	0.1	25.2	WS	SOD-123
BZT52C39Q	500	37	39	41	2	130	0.5	350	0.1	27.3	WT	SOD-123
BZT52C43Q	500	40	43	46	2	100	0.5	700	0.1	32	WU	SOD-123
BZT52C47Q	500	44	47	50	2	100	0.5	750	0.1	35	WV	SOD-123
MMSZ5221BQ	500	2.28	2.4	2.52	20	30	0.25	1200	100	1	C1	SOD-123
MMSZ5222BQ	500	2.38	2.5	2.63	20	30	0.25	1250	100	1	C2	SOD-123
MMSZ5223BQ	500	2.57	2.7	2.84	20	30	0.25	1300	75	1	C3	SOD-123
MMSZ5225BQ	500	2.85	3	3.15	20	29	0.25	1600	50	1	C5	SOD-123
MMSZ5226BQ	500	3.14	3.3	3.47	20	28	0.25	1600	25	1	G1	SOD-123
MMSZ5227BQ	500	3.42	3.6	3.78	20	24	0.25	1700	15	1	G2	SOD-123
MMSZ5228BQ	500	3.71	3.9	4.1	20	23	0.25	1900	10	1	G3	SOD-123
MMSZ5229BQ	500	4.09	4.3	4.52	20	22	0.25	2000	5	1	G4	SOD-123
MMSZ5230BQ	500	4.47	4.7	4.94	20	19	0.25	1900	5	2	G5	SOD-123
MMSZ5231BQ	500	4.85	5.1	5.36	20	17	0.25	1600	5	2	E1	SOD-123
MMSZ5232BQ	500	5.32	5.6	5.88	20	11	0.25	1600	5	3	E2	SOD-123
MMSZ5234BQ	500	5.89	6.2	6.51	20	7	0.25	1000	5	4	E4	SOD-123
MMSZ5235BQ	500	6.46	6.8	7.14	20	5	0.25	750	3	5	E5	SOD-123
MMSZ5236BQ	500	7.13	7.5	7.88	20	6	0.25	500	3	6	F1	SOD-123
MMSZ5237BQ	500	7.79	8.2	8.61	20	8	0.25	500	3	6.5	F2	SOD-123
MMSZ5239BQ	500	8.65	9.1	9.56	20	10	0.25	600	3	7	F4	SOD-123
MMSZ5240BQ	500	9.5	10	10.5	20	17	0.25	600	3	8	F5	SOD-123
MMSZ5241BQ	500	10.45	11	11.55	20	22	0.25	600	2	8.4	H1	SOD-123
MMSZ5242BQ	500	11.4	12	12.6	20	30	0.25	600	1	9.1	H2	SOD-123
MMSZ5243BQ	500	12.35	13	13.65	9.5	13	0.25	600	0.5	9.9	H3	SOD-123
MMSZ5245BQ	500	14.25	15	15.75	8.5	16	0.25	600	0.1	11	H5	SOD-123
MMSZ5246BQ	500	15.2	16	16.8	7.8	17	0.25	600	0.1	12	J1	SOD-123
MMSZ5248BQ	500	17.1	18	18.9	7	21	0.25	600	0.1	14	J3	SOD-123
MMSZ5250BQ	500	19	20	21	6.2	25	0.25	600	0.1	15	J5	SOD-123



SOD-123

小信号稳压二极管 SMALL SIGNAL ZENER DIODE

型号 TYPE NO.	损耗功率 PD (mW)	稳压值Vz@Izt			测试电流 Izt (mA)	动态电阻 Zzt@Izt (Ω)	测试电流 Izt (mA)	动态电阻 Zzk@Izk (Ω)	反向漏电流 IR@VR (uA)	反向测试 电压VR (V)	印字代码 Marking Code	封装 Package
		Min (V)	Nom (V)	Max (V)								
		MMSZ5251BQ	500	20.9								
MMSZ5252BQ	500	22.8	24	25.2	5.2	33	0.25	600	0.1	18	K2	SOD-123
MMSZ5254BQ	500	25.65	27	28.35	4.6	41	0.25	600	0.1	21	K4	SOD-123
MMSZ5256BQ	500	28.5	30	31.5	4.2	49	0.25	600	0.1	23	M1	SOD-123
MMSZ5257BQ	500	31.35	33	34.65	3.8	58	0.25	700	0.1	25	M2	SOD-123
MMSZ5258BQ	500	34.2	36	37.8	3.4	70	0.25	700	0.1	27	M3	SOD-123
MMSZ5259BQ	500	37.05	39	40.95	3.2	80	0.25	800	0.1	30	M4	SOD-123
MMSZ5260BQ	500	40.85	43	45.15	3	93	0.25	900	0.1	33	M5	SOD-123
MMSZ5261BQ	500	44.65	47	49.35	2.7	105	0.25	1000	0.1	36	N1	SOD-123
BZT52B3V6SQ	300	3.53	3.6	3.67	5	90	1	600	5	1	2W4	SOD-323
BZT52B3V9SQ	300	3.82	3.9	3.98	5	90	1	600	3	1	2W5	SOD-323
BZT52B4V3SQ	300	4.21	4.3	4.39	5	90	1	600	3	1	2W6	SOD-323
BZT52B4V7SQ	300	4.61	4.7	4.79	5	80	1	500	3	2	2W7	SOD-323
BZT52B5V1SQ	300	5	5.1	5.2	5	60	1	480	2	2	2W8	SOD-323
BZT52B5V6SQ	300	5.49	5.6	5.71	5	40	1	400	1	2	2W9	SOD-323
BZT52B6V2SQ	300	6.08	6.2	6.32	5	10	1	150	3	4	2WA	SOD-323
BZT52B6V8SQ	300	6.66	6.8	6.94	5	15	1	80	2	4	2WB	SOD-323
BZT52B7V5SQ	300	7.35	7.5	7.65	5	15	1	80	1	5	2WC	SOD-323
BZT52B8V2SQ	300	8.04	8.2	8.36	5	25	1	80	0.7	5	2WD	SOD-323
BZT52B9V1SQ	300	8.92	9.1	9.28	5	15	1	100	0.5	6	2WE	SOD-323
BZT52B10SQ	300	9.8	10	10.2	5	20	1	150	0.2	7	WG	SOD-323
BZT52B11SQ	300	10.78	11	11.22	5	20	1	150	0.1	8	2WG	SOD-323
BZT52B12SQ	300	11.76	12	12.24	5	25	1	150	0.1	8	WI	SOD-323
BZT52B13SQ	300	12.74	13	13.3	5	30	1	170	0.1	8	2WI	SOD-323
BZT52B15SQ	300	14.7	15	15.3	5	30	1	200	0.1	10.5	WL	SOD-323
BZT52B16SQ	300	15.68	16	16.3	5	40	1	200	0.1	11.2	WM	SOD-323
BZT52B18SQ	300	17.6	18	18.4	5	45	1	225	0.1	12.6	WN	SOD-323
BZT52B20SQ	300	19.6	20	20.4	5	55	1	225	0.1	14	2WM	SOD-323
BZT52B22SQ	300	21.56	22	22.44	5	55	1	250	0.1	15.4	2WN	SOD-323
BZT52B24SQ	300	23.52	24	24.5	5	70	1	250	0.1	16.8	WR	SOD-323
BZT52B27SQ	300	26.46	27	27.54	2	80	0.5	300	0.1	18.9	2WP	SOD-323
BZT52B30SQ	300	29.4	30	30.6	2	80	0.5	300	0.1	21	2WQ	SOD-323
BZT52B33SQ	300	32.34	33	33.7	2	80	0.5	325	0.1	23.1	2WR	SOD-323
BZT52B36SQ	300	35.28	36	36.72	2	90	0.5	350	0.1	25.2	2WS	SOD-323
BZT52B39SQ	300	38.22	39	39.8	2	130	0.5	350	0.1	27.3	2WT	SOD-323
BZT52B43SQ	300	42.14	43	43.86	2	100	0.5	700	0.1	32	2WU	SOD-323
BZT52B47SQ	300	46.06	47	47.94	2	100	0.5	750	0.1	35	2WV	SOD-323
BZT52C2V4SQ	300	2.28	2.4	2.56	5	100	1	600	50	1	WX	SOD-323
BZT52C2V7SQ	300	2.5	2.7	2.9	5	100	1	600	20	1	W1	SOD-323
BZT52C3V0SQ	300	2.8	3	3.2	5	95	1	600	10	1	W2	SOD-323
BZT52C3V3SQ	300	3.1	3.3	3.5	5	95	1	600	5	1	W3	SOD-323
BZT52C3V6SQ	300	3.4	3.6	3.8	5	90	1	600	5	1	W4	SOD-323



SOD-123



SOD-323

小信号稳压二极管 SMALL SIGNAL ZENER DIODE

型号 TYPE NO.	损耗功率 PD (mW)	稳压值Vz@Izt			测试电流 Izt (mA)	动态电阻 Zzt@Izt (Ω)	测试电流 Izt (mA)	动态电阻 Zzk@Izk (Ω)	反向漏电流 IR@VR (uA)	反向测试 电压VR (V)	印字代码 Marking Code	封装 Package
		Min (V)	Nom (V)	Max (V)								
		BZT52C3V9SQ	300	3.7								
BZT52C4V3SQ	300	4	4.3	4.6	5	90	1	600	3	1	W6	SOD-323
BZT52C4V7SQ	300	4.4	4.7	5	5	80	1	500	3	2	W7	SOD-323
BZT52C5V1SQ	300	4.8	5.1	5.4	5	60	1	480	2	2	W8	SOD-323
BZT52C5V6SQ	300	5.2	5.6	6	5	40	1	400	1	2	W9	SOD-323
BZT52C6V2SQ	300	5.8	6.2	6.6	5	10	1	150	3	4	WA	SOD-323
BZT52C6V8SQ	300	6.4	6.8	7.2	5	15	1	80	2	4	WB	SOD-323
BZT52C7V5SQ	300	7	7.5	7.9	5	15	1	80	1	5	WC	SOD-323
BZT52C8V2SQ	300	7.7	8.2	8.7	5	15	1	80	0.7	5	WD	SOD-323
BZT52C9V1SQ	300	8.5	9.1	9.6	5	15	1	100	0.5	6	WE	SOD-323
BZT52C10SQ	300	9.4	10	10.6	5	20	1	150	0.2	7	WF	SOD-323
BZT52C11SQ	300	10.4	11	11.6	5	20	1	150	0.1	8	WG	SOD-323
BZT52C12SQ	300	11.4	12	12.7	5	25	1	150	0.1	8	WH	SOD-323
BZT52C13SQ	300	12.4	13	14.1	5	30	1	170	0.1	8	WI	SOD-323
BZT52C15SQ	300	13.8	15	15.6	5	30	1	200	0.1	10.5	WJ	SOD-323
BZT52C16SQ	300	15.3	16	17.1	5	40	1	200	0.1	11.2	WK	SOD-323
BZT52C18SQ	300	16.8	18	19.1	5	45	1	225	0.1	12.6	WL	SOD-323
BZT52C20SQ	300	18.8	20	21.2	5	55	1	225	0.1	14	WM	SOD-323
BZT52C22SQ	300	20.8	22	23.3	5	55	1	250	0.1	15.4	WN	SOD-323
BZT52C24SQ	300	22.8	24	25.6	5	70	1	250	0.1	16.8	WO	SOD-323
BZT52C27SQ	300	25.1	27	28.9	2	80	0.5	300	0.1	18.9	WP	SOD-323
BZT52C30SQ	300	28	30	32	2	80	0.5	300	0.1	21	WQ	SOD-323
BZT52C33SQ	300	31	33	35	2	80	0.5	325	0.1	23.1	WR	SOD-323
BZT52C36SQ	300	34	36	38	2	90	0.5	350	0.1	25.2	WS	SOD-323
BZT52C39SQ	300	37	39	41	2	130	0.5	350	0.1	27.3	WT	SOD-323
BZT52C43SQ	300	40	43	46	2	100	0.5	700	0.1	32	WU	SOD-323
BZT52C47SQ	300	44	47	50	2	100	0.5	750	0.1	35	WV	SOD-323
BZX584B3V6Q	200	3.53	3.6	3.67	5	90	1	600	5	1	45	SOD-523
BZX584B3V9Q	200	3.82	3.9	3.98	5	90	1	600	3	1	+5	SOD-523
BZX584B4V3Q	200	4.21	4.3	4.39	5	90	1	600	3	1	65	SOD-523
BZX584B4V7Q	200	4.61	4.7	4.79	5	80	1	500	3	2	75	SOD-523
BZX584B5V1Q	200	5.00	5.1	5.20	5	60	1	480	2	2	85	SOD-523
BZX584B5V6Q	200	5.49	5.6	5.71	5	40	1	400	1	2	95	SOD-523
BZX584B6V2Q	200	6.08	6.2	6.32	5	10	1	150	3	4	A5	SOD-523
BZX584B6V8Q	200	6.66	6.8	6.94	5	15	1	80	2	4	B5	SOD-523
BZX584B7V5Q	200	7.35	7.5	7.65	5	15	1	80	1	5	C5	SOD-523
BZX584B8V2Q	200	8.04	8.2	8.36	5	15	1	80	0.7	5	D5	SOD-523
BZX584B9V1Q	200	8.92	9.1	9.28	5	15	1	100	0.5	6	E5	SOD-523
BZX584B10VQ	200	9.80	10	10.2	5	20	1	150	0.2	7	F5	SOD-523
BZX584B11VQ	200	10.78	11	11.22	5	20	1	150	0.1	8	G5	SOD-523
BZX584B12VQ	200	11.76	12	12.24	5	25	1	150	0.1	8	H5	SOD-523
BZX584B13VQ	200	12.74	13	13.3	5	30	1	170	0.1	8	J5	SOD-523



SOD-323



SOD-523

小信号稳压二极管 SMALL SIGNAL ZENER DIODE

型号 TYPE NO.	损耗功率 PD (mW)	稳压值Vz@Izt			测试电流 Izt (mA)	动态电阻 Zzt@Izt (Ω)	测试电流 Izt (mA)	动态电阻 Zzk@Izk (Ω)	反向漏电流 IR@VR (uA)	反向测试 电压VR (V)	印字代码 Marking Code	封装 Package
		Min	Nom	Max								
		(V)	(V)	(V)								
BZX584B15VQ	200	14.70	15	15.3	5	30	1	200	0.1	10.5	K5	SOD-523
BZX584B16VQ	200	15.68	16	16.3	5	40	1	200	0.1	11.2	L5	SOD-523
BZX584B18VQ	200	17.6	18	18.4	5	45	1	225	0.1	12.6	M5	SOD-523
BZX584B20VQ	200	19.60	20	20.4	5	55	1	225	0.1	14	N5	SOD-523
BZX584B22VQ	200	21.56	22	22.44	5	55	1	250	0.1	15.4	P5	SOD-523
BZX584B24VQ	200	23.52	24	24.5	5	70	1	250	0.1	16.8	R5	SOD-523
BZX584B27VQ	200	26.46	27	27.54	2	80	0.5	300	0.1	18.9	S5	SOD-523
BZX584B30VQ	200	29.40	30	30.6	2	80	0.5	300	0.1	21	T5	SOD-523
BZX584B33VQ	200	32.34	33	33.7	2	80	0.5	325	0.1	23.1	U5	SOD-523
BZX584B36VQ	200	35.28	36	36.72	2	90	0.5	350	0.1	25.2	V5	SOD-523
BZX584C2V4Q	200	2.28	2.4	2.56	5	100	1	600	50.0	1	50	SOD-523
BZX584C2V7Q	200	2.5	2.7	2.9	5	100	1	600	20.0	1	51	SOD-523
BZX584C3V0Q	200	2.8	3	3.2	5	95	1	600	10.0	1	52	SOD-523
BZX584C3V3Q	200	3.1	3.3	3.5	5	95	1	600	5.0	1	53	SOD-523
BZX584C3V6Q	200	3.4	3.6	3.8	5	90	1	600	5.0	1	54	SOD-523
BZX584C3V9Q	200	3.7	3.9	4.1	5	90	1	600	3.0	1	55	SOD-523
BZX584C4V3Q	200	4.0	4.3	4.6	5	90	1	600	3.0	1	56	SOD-523
BZX584C4V7Q	200	4.4	4.7	5	5	80	1	500	3.0	2	57	SOD-523
BZX584C5V1Q	200	4.8	5.1	5.4	5	60	1	480	2.0	2	58	SOD-523
BZX584C5V6Q	200	5.2	5.6	6	5	40	1	400	1.0	2	59	SOD-523
BZX584C6V2Q	200	5.8	6.2	6.6	5	10	1	150	3.0	4	5A	SOD-523
BZX584C6V8Q	200	6.4	6.8	7.2	5	15	1	80	2.0	4	5B	SOD-523
BZX584C7V5Q	200	7.0	7.5	7.9	5	15	1	80	1.0	5	5C	SOD-523
BZX584C8V2Q	200	7.7	8.2	8.7	5	15	1	80	0.7	5	5D	SOD-523
BZX584C9V1Q	200	8.5	9.1	9.6	5	15	1	100	0.5	6	5E	SOD-523
BZX584C10VQ	200	9.4	10	10.6	5	20	1	150	0.2	7	5F	SOD-523
BZX584C11VQ	200	10.4	11	11.6	5	20	1	150	0.1	8	5G	SOD-523
BZX584C12VQ	200	11.4	12	12.7	5	25	1	150	0.1	8	5H	SOD-523
BZX584C13VQ	200	12.4	13	14.1	5	30	1	170	0.1	8	5J	SOD-523
BZX584C15VQ	200	13.8	15	15.6	5	30	1	200	0.1	10.5	5K	SOD-523
BZX584C16VQ	200	15.3	16	17.1	5	40	1	200	0.1	11.2	5L	SOD-523
BZX584C18VQ	200	16.8	18	19.1	5	45	1	225	0.1	12.6	5M	SOD-523
BZX584C20VQ	200	18.8	20	21.2	5	55	1	225	0.1	14	5N	SOD-523
BZX584C22VQ	200	20.8	22	23.3	5	55	1	250	0.1	15.4	5P	SOD-523
BZX584C24VQ	200	22.8	24	25.6	5	70	1	250	0.1	16.8	5R	SOD-523
BZX584C27VQ	200	25.1	27	28.9	2	80	0.5	300	0.1	18.9	5S	SOD-523
BZX584C30VQ	200	28.0	30	32	2	80	0.5	300	0.1	21	5T	SOD-523
BZX584C33VQ	200	31.0	33	35	2	80	0.5	325	0.1	23.1	5U	SOD-523
BZX584C36VQ	200	34.0	36	38	2	90	0.5	350	0.1	25.2	5V	SOD-523
BZX584C39VQ	200	37.0	39	41	2	130	0.5	350	0.1	27.3	5X	SOD-523
BZX584C43VQ	200	40.0	43	46	2	100	0.5	700	0.1	32	5Y	SOD-523
BZX584C47VQ	200	44.0	47	50	2	100	0.5	750	0.1	35	5Z	SOD-523



SOD-523

小信号稳压二极管 SMALL SIGNAL ZENER DIODE

型号 TYPE NO.	损耗功率 PD (mW)	稳压值Vz@Izt			测试电流 Izt (mA)	动态电阻 Zzt@Izt (Ω)	测试电流 Izt (mA)	动态电阻 Zzk@Izk (Ω)	反向漏电流 IR@VR (uA)	反向测试 电压VR (V)	印字代码 Marking Code	封装 Package
		Min	Nom	Max								
		(V)	(V)	(V)								
BZX84C2V4Q	350	2.28	2.4	2.56	5	100	1	600	50	1	Z11	SOT-23
BZX84C2V7Q	350	2.5	2.7	2.9	5	100	1	600	20	1	Z12	SOT-23
BZX84C3V0Q	350	2.8	3	3.2	5	95	1	600	10	1	Z13	SOT-23
BZX84C3V3Q	350	3.1	3.3	3.5	5	95	1	600	5	1	Z14	SOT-23
BZX84C3V6Q	350	3.4	3.6	3.8	5	90	1	600	5	1	Z15	SOT-23
BZX84C3V9Q	350	3.7	3.9	4.1	5	90	1	600	3	1	Z16	SOT-23
BZX84C4V3Q	350	4	4.3	4.6	5	90	1	600	3	1	Z17	SOT-23
BZX84C4V7Q	350	4.4	4.7	5	5	80	1	500	3	2	Z1	SOT-23
BZX84C5V1Q	350	4.8	5.1	5.4	5	60	1	480	2	2	Z2	SOT-23
BZX84C5V6Q	350	5.2	5.6	6	5	40	1	400	1	2	Z3	SOT-23
BZX84C6V2Q	350	5.8	6.2	6.6	5	10	1	150	3	4	Z4	SOT-23
BZX84C6V8Q	350	6.4	6.8	7.2	5	15	1	80	2	4	Z5	SOT-23
BZX84C7V5Q	350	7	7.5	7.9	5	15	1	80	1	5	Z6	SOT-23
BZX84C8V2Q	350	7.7	8.2	8.7	5	15	1	80	0.7	5	Z7	SOT-23
BZX84C9V1Q	350	8.5	9.1	9.6	5	15	1	100	0.5	6	Z8	SOT-23
BZX84C10Q	350	9.4	10	10.6	5	20	1	150	0.2	7	Z9	SOT-23
BZX84C11Q	350	10.4	11	11.6	5	20	1	150	0.1	8	Y1	SOT-23
BZX84C12Q	350	11.4	12	12.7	5	25	1	150	0.1	8	Y2	SOT-23
BZX84C13Q	350	12.4	13	14.1	5	30	1	170	0.1	8	Y3	SOT-23
BZX84C15Q	350	13.8	15	15.6	5	30	1	200	0.1	10.5	Y4	SOT-23
BZX84C16Q	350	15.3	16	17.1	5	40	1	200	0.1	11.2	Y5	SOT-23
BZX84C18Q	350	16.8	18	19.1	5	45	1	225	0.1	12.6	Y6	SOT-23
BZX84C20Q	350	18.8	20	21.2	5	55	1	225	0.1	14	Y7	SOT-23
BZX84C22Q	350	20.8	22	23.3	5	55	1	250	0.1	15.4	Y8	SOT-23
BZX84C24Q	350	22.8	24	25.6	5	70	1	250	0.1	16.8	Y9	SOT-23
BZX84C27Q	350	25.1	27	28.9	2	80	0.5	300	0.1	18.9	Y10	SOT-23
BZX84C30Q	350	28	30	32	2	80	0.5	300	0.1	21	Y11	SOT-23
BZX84C33Q	350	31	33	35	2	80	0.5	325	0.1	23.1	Y12	SOT-23
BZX84C36Q	350	34	36	38	2	90	0.5	350	0.1	25.2	Y13	SOT-23
BZX84C39Q	350	37	39	41	2	130	0.5	350	0.1	27.3	Y14	SOT-23
BZX84C43Q	350	40	43	46	2	100	0.5	700	0.1	32	Y15	SOT-23
BZX84C47Q	350	44	47	50	2	100	0.5	750	0.1	35	Y16	SOT-23
BZX84B4V3Q	350	4.21	4.3	4.39	5	90	1	600	3	1	Z17	SOT-23
BZX84B4V7Q	350	4.61	4.7	4.79	5	80	1	500	3	2	Z1	SOT-23
BZX84B5V1Q	350	5	5.1	5.2	5	60	1	480	2	2	Z2	SOT-23
BZX84B5V6Q	350	5.49	5.6	5.71	5	40	1	400	1	2	Z3	SOT-23
BZX84B6V2Q	350	6.08	6.2	6.32	5	10	1	150	3	4	Z4	SOT-23
BZX84B6V8Q	350	6.66	6.8	6.94	5	15	1	80	2	4	Z5	SOT-23
BZX84B7V5Q	350	7.35	7.5	7.65	5	15	1	80	1	5	Z6	SOT-23
BZX84B8V2Q	350	8.04	8.2	8.36	5	15	1	80	0.7	5	Z7	SOT-23
BZX84B9V1Q	350	8.92	9.1	9.28	5	15	1	100	0.5	6	Z8	SOT-23
BZX84B10Q	350	9.8	10	10.2	5	20	1	150	0.2	7	Z9	SOT-23



SOT-23

小信号稳压二极管 SMALL SIGNAL ZENER DIODE

型号 TYPE NO.	损耗功率 PD (mW)	稳压值Vz@Izt			测试电流 Izt (mA)	动态电阻 Zzt@Izt (Ω)	测试电流 Izt (mA)	动态电阻 Zzk@Izk (Ω)	反向漏电流 IR@VR (uA)	反向测试 电压VR (V)	印字代码 Marking Code	封装 Package
		Min (V)	Nom (V)	Max (V)								
		BZX84B11Q	350	10.78								
BZX84B12Q	350	11.76	12	12.24	5	25	1	150	0.1	8	Y2.	SOT-23
BZX84B13Q	350	12.74	13	13.3	5	30	1	170	0.1	8	Y3	SOT-23
BZX84B15Q	350	14.7	15	15.3	5	30	1	200	0.1	10.5	Y4	SOT-23
BZX84B16Q	350	15.68	16	16.3	5	40	1	200	0.1	11.2	Y5	SOT-23
BZX84B18Q	350	17.6	18	18.4	5	45	1	225	0.1	12.6	Y6.	SOT-23
BZX84B20Q	350	19.6	20	20.4	5	55	1	225	0.1	14	Y7	SOT-23
BZX84B22Q	350	21.56	22	22.44	5	55	1	250	0.1	15.4	Y8	SOT-23
BZX84B24Q	350	23.52	24	24.5	5	70	1	250	0.1	16.8	Y9	SOT-23
BZX84B27Q	350	26.46	27	27.54	2	80	0.5	300	0.1	18.9	Y10	SOT-23
BZX84B30Q	350	29.4	30	30.6	2	80	0.5	300	0.1	21	Y11.	SOT-23
BZX84B33Q	350	32.34	33	33.7	2	80	0.5	325	0.1	23.1	Y12	SOT-23
BZX84B36Q	350	35.28	36	36.72	2	90	0.5	350	0.1	25.2	Y13	SOT-23
AZ23C2V4Q	300	2.28	2.4	2.52	5	100	1	600	100	1	KD0	SOT-23
AZ23C2V7Q	300	2.57	2.7	2.84	5	100	1	600	75	1	KD1	SOT-23
AZ23C3V0Q	300	2.85	3	3.15	5	95	1	600	50	1	KD2	SOT-23
AZ23C3V3Q	300	3.14	3.3	3.47	5	95	1	600	25	1	KD3	SOT-23
AZ23C3V6Q	300	3.42	3.6	3.78	5	95	1	600	15	1	KD4	SOT-23
AZ23C3V9Q	300	3.71	3.9	4.1	5	95	1	600	10	1	KD5	SOT-23
AZ23C4V3Q	300	4.09	4.3	4.52	5	95	1	600	5	1	KD6	SOT-23
AZ23C4V7Q	300	4.47	4.7	4.94	5	78	1	500	5	2	KD7	SOT-23
AZ23C5V1Q	300	4.85	5.1	5.36	5	60	1	480	0.1	0.8	KD8	SOT-23
AZ23C5V6Q	300	5.32	5.6	5.88	5	40	1	400	0.1	1	KD9	SOT-23
AZ23C6V2Q	300	5.89	6.2	6.51	5	10	1	150	0.1	2	KDA	SOT-23
AZ23C6V8Q	300	6.46	6.8	7.14	5	8	1	80	0.1	3	KDB	SOT-23
AZ23C7V5Q	300	7.13	7.5	7.88	5	7	1	80	0.1	5	KDC	SOT-23
AZ23C8V2Q	300	7.79	8.2	8.61	5	7	1	80	0.1	6	KDD	SOT-23
AZ23C9V1Q	300	8.65	9.1	9.56	5	10	1	100	0.1	7	KDE	SOT-23
AZ23C10Q	300	9.5	10	10.5	5	15	1	150	0.1	7.5	KDF	SOT-23
AZ23C11Q	300	10.45	11	11.55	5	20	1	150	0.1	8.5	KDG	SOT-23
AZ23C12Q	300	11.4	12	12.6	5	20	1	150	0.1	9	KDH	SOT-23
AZ23C13Q	300	12.35	13	13.65	5	25	1	170	0.1	10	KDI	SOT-23
AZ23C15Q	300	14.25	15	15.75	5	30	1	200	0.1	11	KDJ	SOT-23
AZ23C16Q	300	15.2	16	16.8	5	40	1	200	0.1	12	KDK	SOT-23
AZ23C18Q	300	17.1	18	18.9	5	50	1	225	0.1	14	KDL	SOT-23
AZ23C20Q	300	19	20	21	5	50	1	225	0.1	15	KDM	SOT-23
AZ23C22Q	300	20.9	22	23.1	5	55	1	250	0.1	17	KDN	SOT-23
AZ23C24Q	300	22.8	24	25.2	5	80	1	250	0.1	18	KDO	SOT-23
AZ23C27Q	300	25.65	27	28.35	2	80	1	300	0.1	20	KDP	SOT-23
AZ23C30Q	300	28.5	30	31.5	2	80	1	300	0.1	22.5	KDQ	SOT-23
AZ23C33Q	300	31.35	33	34.65	2	80	1	325	0.1	25	KDR	SOT-23
AZ23C36Q	300	34.2	36	37.8	2	90	1	350	0.1	27	KDS	SOT-23



SOT-23

小信号稳压二极管 SMALL SIGNAL ZENER DIODE

型号 TYPE NO.	损耗功率 PD (mW)	稳压值Vz@Izt			测试电流 Izt (mA)	动态电阻 Zzt@Izt (Ω)	测试电流 Izt (mA)	动态电阻 Zzk@Izk (Ω)	反向漏电流 IR@VR (uA)	反向测试 电压VR (V)	印字代码 Marking Code	封装 Package
		Min (V)	Nom (V)	Max (V)								
		AZ23C39Q	300	37.05								
AZ23C43Q	300	40.85	43	45.15	2	100	1	700	0.1	32	D30	SOT-23
AZ23C47Q	300	44.65	47	49.35	2	100	1	750	0.1	35	D31	SOT-23
DZ23C2V4Q	300	2.28	2.4	2.52	5	100	1	600	100	1	V0	SOT-23
DZ23C2V7Q	300	2.57	2.7	2.84	5	100	1	600	75	1	KV1	SOT-23
DZ23C3V0Q	300	2.85	3	3.15	5	95	1	600	50	1	KV2	SOT-23
DZ23C3V3Q	300	3.14	3.3	3.47	5	95	1	600	25	1	KV3	SOT-23
DZ23C3V6Q	300	3.42	3.6	3.78	5	95	1	600	15	1	KV4	SOT-23
DZ23C3V9Q	300	3.71	3.9	4.1	5	95	1	600	10	1	KV5	SOT-23
DZ23C4V3Q	300	4.09	4.3	4.52	5	95	1	600	5	1	KV6	SOT-23
DZ23C4V7Q	300	4.47	4.7	4.94	5	78	1	500	5	2	KV7	SOT-23
DZ23C5V1Q	300	4.85	5.1	5.36	5	60	1	480	0.1	0.8	KV8	SOT-23
DZ23C5V6Q	300	5.32	5.6	5.88	5	40	1	400	0.1	1	KV9	SOT-23
DZ23C6V2Q	300	5.89	6.2	6.51	5	10	1	150	0.1	2	KVA	SOT-23
DZ23C6V8Q	300	6.46	6.8	7.14	5	8	1	80	0.1	3	KVB	SOT-23
DZ23C7V5Q	300	7.13	7.5	7.88	5	7	1	80	0.1	5	KVC	SOT-23
DZ23C8V2Q	300	7.79	8.2	8.61	5	7	1	80	0.1	6	KVD	SOT-23
DZ23C9V1Q	300	8.65	9.1	9.56	5	10	1	100	0.1	7	KVE	SOT-23
DZ23C10Q	300	9.5	10	10.5	5	15	1	150	0.1	7.5	KVF	SOT-23
DZ23C11Q	300	10.45	11	11.55	5	20	1	150	0.1	8.5	KVG	SOT-23
DZ23C12Q	300	11.4	12	12.6	5	20	1	150	0.1	9	KVH	SOT-23
DZ23C13Q	300	12.35	13	13.65	5	25	1	170	0.1	10	KVI	SOT-23
DZ23C15Q	300	14.25	15	15.75	5	30	1	200	0.1	11	KVJ	SOT-23
DZ23C16Q	300	15.2	16	16.8	5	40	1	200	0.1	12	KVK	SOT-23
DZ23C18Q	300	17.1	18	18.9	5	50	1	225	0.1	14	KVL	SOT-23
DZ23C20Q	300	19	20	21	5	50	1	225	0.1	15	KVM	SOT-23
DZ23C22Q	300	20.9	22	23.1	5	55	1	250	0.1	17	KVN	SOT-23
DZ23C24Q	300	22.8	24	25.2	5	80	1	250	0.1	18	KVO	SOT-23
DZ23C27Q	300	25.65	27	28.35	2	80	1	300	0.1	20	KVP	SOT-23
DZ23C30Q	300	28.5	30	31.5	2	80	1	300	0.1	22.5	KVQ	SOT-23
DZ23C33Q	300	31.35	33	34.65	2	80	1	325	0.1	25	KVR	SOT-23
DZ23C36Q	300	34.2	36	37.8	2	90	1	350	0.1	27	KVS	SOT-23
DZ23C39Q	300	37.05	39	40.95	2	90	1	350	0.1	29	KVT	SOT-23
DZ23C43Q	300	40.85	43	45.15	2	100	1	700	0.1	32	KVU	SOT-23
DZ23C47Q	300	44.65	47	49.35	2	100	1	750	0.1	35	KVV	SOT-23
BZX84C2V4WQ	200	2.28	2.4	2.56	5	100	1	600	50	1	KRB	SOT-323
BZX84C2V7WQ	200	2.5	2.7	2.9	5	100	1	600	20	1	KRC	SOT-323
BZX84C3V0WQ	200	2.8	3	3.2	5	95	1	600	10	1	KRD	SOT-323
BZX84C3V3WQ	200	3.1	3.3	3.5	5	95	1	600	5	1	KRE	SOT-323
BZX84C3V6WQ	200	3.4	3.6	3.8	5	90	1	600	5	1	KRF	SOT-323
BZX84C3V9WQ	200	3.7	3.9	4.1	5	90	1	600	3	1	KRG	SOT-323
BZX84C4V3WQ	200	4	4.3	4.6	5	90	1	600	3	1	KRH	SOT-323



SOT-23



SOT-323

小信号稳压二极管 SMALL SIGNAL ZENER DIODE

型号 TYPE NO.	损耗功率 PD (mW)	稳压值 Vz@Izt			测试电流 Izt (mA)	动态电阻 Zzt@Izt (Ω)	测试电流 Izt (mA)	动态电阻 Zzk@Izk (Ω)	反向漏电流 IR@VR (uA)	反向测试 电压VR (V)	印字代码 Marking Code	封装 Package
		Min (V)	Nom (V)	Max (V)								
BZX84C4V7WQ	200	4.4	4.7	5	5	80	1	500	3	2	KR1	SOT-323
BZX84C5V1WQ	200	4.8	5.1	5.4	5	60	1	480	2	2	KR2	SOT-323
BZX84C5V6WQ	200	5.2	5.6	6	5	40	1	400	1	2	KR3	SOT-323
BZX84C6V2WQ	200	5.8	6.2	6.6	5	10	1	150	3	4	KR4	SOT-323
BZX84C6V8WQ	200	6.4	6.8	7.2	5	15	1	80	2	4	KR5	SOT-323
BZX84C7V5WQ	200	7	7.5	7.9	5	15	1	80	1	5	KR6	SOT-323
BZX84C8V2WQ	200	7.7	8.2	8.7	5	15	1	80	0.7	5	KR7	SOT-323
BZX84C9V1WQ	200	8.5	9.1	9.6	5	15	1	100	0.5	6	KR8	SOT-323
BZX84C10WQ	200	9.4	10	10.6	5	20	1	150	0.2	7	KR9	SOT-323
BZX84C11WQ	200	10.4	11	11.6	5	20	1	150	0.1	8	KP1	SOT-323
BZX84C12WQ	200	11.4	12	12.7	5	25	1	150	0.1	8	KP2	SOT-323
BZX84C13WQ	200	12.4	13	14.1	5	30	1	170	0.1	8	KP3	SOT-323
BZX84C15WQ	200	13.8	15	15.6	5	30	1	200	0.1	10.5	KP4	SOT-323
BZX84C16WQ	200	15.3	16	17.1	5	40	1	200	0.1	11.2	KP5	SOT-323
BZX84C18WQ	200	16.8	18	19.1	5	45	1	225	0.1	12.6	KP6	SOT-323
BZX84C20WQ	200	18.8	20	21.2	5	55	1	225	0.1	14	KP7	SOT-323
BZX84C22WQ	200	20.8	22	23.3	5	55	1	250	0.1	15.4	KP8	SOT-323
BZX84C24WQ	200	22.8	24	25.6	5	70	1	250	0.1	16.8	KP9	SOT-323
BZX84C27WQ	200	25.1	27	28.9	2	80	0.5	300	0.1	18.9	KPA	SOT-323
BZX84C30WQ	200	28	30	32	2	80	0.5	300	0.1	21	KPB	SOT-323
BZX84C33WQ	200	31	33	35	2	80	0.5	325	0.1	23.1	KPC	SOT-323
BZX84C36WQ	200	34	36	38	2	90	0.5	350	0.1	25.2	KPD	SOT-323
BZX84C39WQ	200	37	39	41	2	130	0.5	350	0.1	27.3	KPE	SOT-323



SOT-323

小信号三极管 SMALL SIGNAL TRANSISTOR

型号 TYPE NO.	极性 POLARITY	集电极 耗散功率 PcM (mW)	集电极 电流 Ic (mA)	集电极基极 击穿电压 BVcBo (V)	集电极发射 极击穿电压 BVcEo (V)	发射极基极 击穿电压 BVeBo (V)	放大倍数 hFE				集电极发射极饱和电压 Vce(sat)			频率 fT (MHz)	印字代码 Marking Code	封装 Package
							MIN	MAX	VCE	Ic	V	mA	V			
S9012-LQ	PNP	300	-500	-40	-25	-5	120	200	-1	-50	-0.6	-500	-50	150	2T1	SOT-23
S9012-HQ	PNP	300	-500	-40	-25	-5	200	350	-1	-50	-0.6	-500	-50	150	2T1	SOT-23
S9012-JQ	PNP	300	-500	-40	-25	-5	350	400	-1	-50	-0.6	-500	-50	150	2T1	SOT-23
S9013-LQ	NPN	300	500	40	25	5	120	200	1	50	0.6	500	50	150	J3	SOT-23
S9013-HQ	NPN	300	500	40	25	5	200	350	1	50	0.6	500	50	150	J3	SOT-23
S9013-JQ	NPN	300	500	40	25	5	300	400	1	50	0.6	500	50	150	J3	SOT-23
S9014-LQ	NPN	200	100	50	45	5	200	450	5	1	0.3	100	5	150	J6	SOT-23
S9014-HQ	NPN	200	100	50	45	5	450	1000	5	1	0.3	100	5	150	J6	SOT-23
S9015-LQ	PNP	200	-100	-50	-45	-5	200	450	-5	-1	-0.3	-100	-10	150	M6	SOT-23
S9015-HQ	PNP	200	-100	-50	-45	-5	450	1000	-5	-1	-0.3	-100	-10	150	M6	SOT-23
S8050-LQ	NPN	300	500	40	25	5	120	200	1	50	0.6	500	50	150	J3Y	SOT-23
S8050-HQ	NPN	300	500	40	25	5	200	350	1	50	0.6	500	50	150	J3Y	SOT-23
S8550-LQ	PNP	300	-500	-40	-25	-5	120	200	-1	-50	-0.6	-500	-50	150	2TY-L	SOT-23
S8550-HQ	PNP	300	-500	-40	-25	-5	200	350	-1	-50	-0.6	-500	-50	150	2TY	SOT-23
SS8050-LQ	NPN	300	1500	40	25	5	120	200	1	100	0.5	800	80	100	Y1-L	SOT-23
SS8050-HQ	NPN	300	1500	40	25	5	200	350	1	100	0.5	800	80	100	Y1	SOT-23
SS8550-LQ	PNP	300	-1500	-40	-25	-5	120	200	-1	-100	-0.5	-800	-80	100	Y2-L	SOT-23
SS8550-HQ	PNP	300	-1500	-40	-25	-5	200	350	-1	-100	-0.5	-800	-80	100	Y2	SOT-23
MMBT2222AQ	NPN	300	600	75	40	6	100	300	10	150	1	500	50	300	1P	SOT-23
MMBT2907AQ	PNP	300	-600	-60	-60	-5	100	300	-10	-150	-0.4	-150	-15	200	2F	SOT-23
MMBT3904Q	NPN	300	200	60	40	6	100	300	1	10	0.3	50	5	-	1AMY	SOT-23
MMBT3906Q	PNP	300	-200	-40	-40	-5	100	300	-1	-10	-0.4	-50	-5	-	2AY	SOT-23
MMBT4401Q	NPN	300	600	60	40	6	100	300	1	150	0.4	150	15	250	2X	SOT-23
MMBT4403Q	PNP	300	-600	-40	-40	-5	100	300	-2	-150	-0.4	-150	-15	200	2T	SOT-23
MMBT5401Q	PNP	300	-600	-180	-160	-6	100	300	-5	-10	-0.5	-50	-5	100-300	2L	SOT-23
MMBT5551Q	NPN	300	600	180	160	6	100	300	5	10	0.2	50	5	100-300	G1	SOT-23
MMBTA42Q	NPN	350	500	300	300	5	40	300	10	10	0.5	20	2	50	1D	SOT-23
MMBTA06Q	NPN	300	500	80	80	4	100	400	1	10	0.25	100	10	100	1GM	SOT-23
MMBTA56Q	PNP	300	-500	-80	-80	-4	100	400	-1	-10	-0.25	-100	-10	100	2GM	SOT-23
MMBTA92Q	PNP	300	-300	-300	-300	-5	100	200	-10	-10	-0.5	-20	-2	50	2D	SOT-23
BC807-16Q	PNP	300	-500	-50	-45	-5	100	250	-1	-100	-0.7	-500	-50	100	5A	SOT-23
BC807-25Q	PNP	300	-500	-50	-45	-5	160	400	-1	-100	-0.7	-500	-50	100	5B	SOT-23
BC807-40Q	PNP	300	-500	-50	-45	-5	250	600	-1	-100	-0.7	-500	-50	100	5C	SOT-23
BC817-16Q	NPN	300	500	50	45	5	100	250	1	100	0.7	500	50	100	6A	SOT-23
BC817-25Q	NPN	300	500	50	45	5	160	400	1	100	0.7	500	50	100	6B	SOT-23
BC817-40Q	NPN	300	500	50	45	5	250	600	1	100	0.7	500	50	100	6C	SOT-23
BC846AQ	NPN	300	100	80	65	6	110	220	5	2	0.5	100	5	150	1A	SOT-23
BC846BQ	NPN	300	100	80	65	6	200	450	5	2	0.5	100	5	150	1B	SOT-23
BC847AQ	NPN	300	100	50	45	6	110	220	5	2	0.5	100	5	150	1E	SOT-23
BC847BQ	NPN	300	100	50	45	6	200	450	5	2	0.5	100	5	150	1F	SOT-23
BC847CQ	NPN	300	100	50	45	6	420	800	5	2	0.5	100	5	150	1G	SOT-23
BC848AQ	NPN	300	100	30	30	6	110	220	5	2	0.5	100	5	150	1J	SOT-23
BC848BQ	NPN	300	100	30	30	6	200	450	5	2	0.5	100	5	150	1K	SOT-23



SOT-23

小信号三极管

SMALL SIGNAL TRANSISTOR

型号 TYPE NO.	极性 POLARITY	集电极耗散功率	集电极电流	集电极基极击穿电压	集电极发射极击穿电压	发射极基极击穿电压	放大倍数h _{FE}				集电极发射极饱和电压 V _{CE(sat)}			频率 f _T MHz	印字代码 Marking Code	封装 Package
		P _{CM}	I _C	BV _{CBO}	BV _{CEO}	BV _{EBO}	MIN	MAX	V _{CE}	I _C	I _C	I _B				
		mW	mA	V	V	V	V	mA	V	mA	mA					
BC848CQ	NPN	300	100	30	30	6	420	800	5	2	0.5	100	5	150	1L	SOT-23
BC856AQ	PNP	300	-100	-80	-65	-5	125	250	-5	-2	-0.65	-100	-5	100	3A	SOT-23
BC856BQ	PNP	300	-100	-80	-65	-5	220	475	-5	-2	-0.65	-100	-5	100	3B	SOT-23
BC857AQ	PNP	300	-100	-50	-45	-5	125	250	-5	-2	-0.65	-100	-5	100	3E	SOT-23
BC857BQ	PNP	300	-100	-50	-45	-5	220	475	-5	-2	-0.65	-100	-5	100	3F	SOT-23
BC857CQ	PNP	300	-100	-50	-45	-5	420	800	-5	-2	-0.65	-100	-5	100	3G	SOT-23
BC858AQ	PNP	300	-100	-30	-30	-5	125	250	-5	-2	-0.65	-100	-5	100	3J	SOT-23
BC858BQ	PNP	300	-100	-30	-30	-5	220	475	-5	-2	-0.65	-100	-5	100	3K	SOT-23
BC858CQ	PNP	300	-100	-30	-30	-5	420	800	-5	-2	-0.65	-100	-5	100	3L	SOT-23
2SD1782-RQ	NPN	200	500	80	80	5	180	390	3	100	0.5	500	50	Typ: 180	AJR	SOT-23
2SB1198-RQ	PNP	200	-500	-80	-80	-5	180	390	-3	-100	-0.5	-500	-50	Typ: 180	AKR	SOT-23
PMMT491AQ	NPN	300	1000	40	40	6	300	900	5	500	0.5	1000	100	150	9A	SOT-23
PMMT591AQ	PNP	300	-1000	-40	-40	-5	300	900	-5	-100	-0.5	-1000	-100	150	9B	SOT-23
BC846AWQ	NPN	200	100	80	65	6	110	220	5	2	0.5	100	5	100	1A	SOT-323
BC846BWQ	NPN	200	100	80	65	6	200	450	5	2	0.5	100	5	100	1B	SOT-323
BC847AWQ	NPN	200	100	50	45	6	110	220	5	2	0.5	100	5	100	1E	SOT-323
BC847BWQ	NPN	200	100	50	45	6	200	450	5	2	0.5	100	5	100	1F	SOT-323
BC847CWQ	NPN	200	100	50	45	6	420	800	5	2	0.5	100	5	100	1G	SOT-323
BC848AWQ	NPN	200	100	30	30	6	110	220	5	2	0.5	100	5	100	1J	SOT-323
BC848BWQ	NPN	200	100	30	30	6	200	450	5	2	0.5	100	5	100	1K	SOT-323
BC848CWQ	NPN	200	100	30	30	6	420	800	5	2	0.5	100	5	100	1L	SOT-323
BC856AWQ	PNP	200	-100	-80	-65	-5	125	250	-5	-2	-0.65	-100	-5	100	3A	SOT-323
BC856BWQ	PNP	200	-100	-80	-65	-5	220	475	-5	-2	-0.65	-100	-5	100	3B	SOT-323
BC857AWQ	PNP	200	-100	-50	-45	-5	125	250	-5	-2	-0.65	-100	-5	100	3E	SOT-323
BC857BWQ	PNP	200	-100	-50	-45	-5	220	475	-5	-2	-0.65	-100	-5	100	3F	SOT-323
BC857CWQ	PNP	200	-100	-50	-45	-5	420	800	-5	-2	-0.65	-100	-5	100	3G	SOT-323
BC858AWQ	PNP	200	-100	-30	-30	-5	125	250	-5	-2	-0.65	-100	-5	100	3J	SOT-323
BC858BWQ	PNP	200	-100	-30	-30	-5	220	475	-5	-2	-0.65	-100	-5	100	3K	SOT-323
BC858CWQ	PNP	200	-100	-30	-30	-5	420	800	-5	-2	-0.65	-100	-5	100	3L	SOT-323
BC807-16WQ	PNP	200	-500	-50	-45	-5	100	250	-1	-100	-0.7	-500	-50	100	5A	SOT-323
BC807-25WQ	PNP	200	-500	-50	-45	-5	160	400	-1	-100	-0.7	-500	-50	100	5B	SOT-323
BC807-40WQ	PNP	200	-500	-50	-45	-5	250	600	-1	-100	-0.7	-500	-50	100	5C	SOT-323
BC817-16WQ	NPN	200	500	50	45	5	100	250	1	100	0.7	500	50	100	6A	SOT-323
BC817-25WQ	NPN	200	500	50	45	5	160	400	1	100	0.7	500	50	100	6B	SOT-323
BC817-40WQ	NPN	200	500	50	45	5	250	600	1	100	0.7	500	50	100	6C	SOT-323
MMST2222AQ	NPN	200	600	75	40	6	100	300	10	150	1	500	50	300	K3P	SOT-323
MMST2907AQ	PNP	200	-600	-60	-60	-5	100	300	-10	-150	-0.4	-150	-15	200	K3F	SOT-323
MMST3904Q	NPN	200	200	60	40	6	100	300	1	10	0.3	50	5	-	K2N	SOT-323
MMST3906Q	PNP	200	-200	-40	-40	-5	100	300	-1	-10	-0.4	-50	-5	-	K5N	SOT-323
MMST4401Q	NPN	200	600	60	40	6	100	300	1	150	0.4	150	15	250	K3X	SOT-323
MMST4403Q	PNP	200	-600	-40	-40	-5	100	300	-2	-150	-0.4	-150	-15	200	K3T	SOT-323
MMST5401Q	PNP	200	-600	-160	-150	-5	60	300	-5	-10	-0.5	-50	-5	100-300	K4M	SOT-323
MMST5551Q	NPN	200	600	180	160	6	100	300	5	10	0.2	50	5	100-300	K4N	SOT-323



SOT-23



SOT-323

小信号三极管

SMALL SIGNAL TRANSISTOR

型号 TYPE NO.	极性 POLARITY	集电极耗散功率	集电极电流	集电极基极击穿电压	集电极发射极击穿电压	发射极基极击穿电压	放大倍数h _{FE}				集电极发射极饱和电压 V _{CE(sat)}			频率 f _T MHz	印字代码 Marking Code	封装 Package
		P _{CM}	I _C	BV _{CBO}	BV _{CEO}	BV _{EBO}	MIN	MAX	V _{CE}	I _C	I _C	I _B				
		mW	mA	V	V	V	V	mA	V	mA	mA					
MMSTA42Q	NPN	200	100	300	300	5	40	300	10	10	0.5	20	2	50	K3M	SOT-323
MMSTA92Q	PNP	200	-100	-300	-300	-5	100	200	-10	-10	-0.4	-20	-2	50	K3R	SOT-323
BC846BSQ	NPN	200	100	80	65	6	200	450	5	2	0.65	100	5	200	4Ft	SOT-363
BC847BSQ	NPN	200	100	50	45	6	200	450	5	2	0.65	100	5	100	1C	SOT-363
BC846BPNQ	NPN+PNP	200	100	80	65	6	200	450	5	2	0.6	100	5	100	PJ	SOT-363
		200	-100	-80	-65	-6	200	450	-5	-2	-0.65	-100	-5	100		
BC847PNQ	NPN+PNP	200	100	50	45	6	200	450	5	2	0.65	100	5	100	7P	SOT-363
BC857BSQ	PNP	200	-100	-50	-45	-6	220	475	5	2	-0.65	-100	-5	100	3F	SOT-363
MMDT3904Q	NPN	200	200	60	40	6	100	300	1	10	0.3	50	5	-	K6N	SOT-363
MMDT3906Q	PNP	200	-200	-40	-40	-5	100	300	-1	-10	-0.4	-50	-5	-	K3N	SOT-363
MMDT3946Q	NPN+PNP	200	200	60	40	6	100	300	1	10	0.3	50	5	-	K46	SOT-363
MMDT5551Q	NPN	200	600	180	160	6	100	300	5	10	0.2	50	5	100	K4N	SOT-363
MMDT2222AQ	NPN	200	600	75	40	6	100	300	10	150	1	500	50	300	K1P	SOT-363
MMDT2907AQ	PNP	200	-600	-60	-60	-5	100	300	-10	-150	-1.6	-500	-50	200	K2F	SOT-363
MMDT2227Q	NPN+PNP	200	600	75	40	6	100	300	10	150	1	500	50	300	K27	SOT-363
		200	-600	-60	-60	-5	100	300	-10	-150	-1.6	-500	-50	200		
DMMT3904Q	NPN	200	200	60	40	5	100	300	1	10	0.3	50	5	300	K4A	SOT-363



SOT-323



SOT-363

数字晶体管 Digital Transistor

型号 TYPE NO.	极性 POLARITY	P _D	I _{OMAX}	V _{CC}	V _{IN}	R1(KΩ)	R2/R1	印字代码 Marking Code	封装 Package
		mW	mA	V	V	Typ	Typ		
DTC114ECAQ	NPN	200	100	50	-10 ~ +40	10	1	24	SOT-23
DTA114ECAQ	PNP	200	-100	-50	-40 ~ +10	10	1	14	SOT-23
DTC143ECAQ	NPN	200	100	50	-10 ~ +30	4.7	1	23	SOT-23
DTA143ECAQ	PNP	200	-100	-50	-30 ~ +10	4.7	1	13	SOT-23
DTC143ZCAQ	NPN	200	100	50	-5 ~ +30	4.7	10	E23	SOT-23
DTA143ZCAQ	PNP	200	-100	-50	-30 ~ +5	4.7	10	E13	SOT-23
DTC124ECAQ	NPN	200	100	50	-10 ~ +40	22	1	25	SOT-23
DTC114YCAQ	NPN	200	100	50	-6 ~ +40	10	4.7	64	SOT-23
DTA114YCAQ	PNP	200	-100	-50	-40 ~ +6	10	4.7	54	SOT-23
DTC144ECAQ	NPN	200	100	50	-10 ~ +40	47	1	26	SOT-23
DTA144ECAQ	PNP	200	-100	-50	-40 ~ +10	47	1	16	SOT-23
DTC114EUAQ	NPN	200	100	50	-10 ~ +40	10	1	24	SOT-323
DTA114EUAQ	PNP	200	-100	-50	-40 ~ +10	10	1	14	SOT-323
DTC143EUAQ	NPN	200	100	50	-10 ~ +30	4.7	1	23	SOT-323
DTA143EUAQ	PNP	200	-100	-50	-30 ~ +10	4.7	1	13	SOT-323
DTC143ZUAQ	NPN	200	100	50	-5 ~ +30	4.7	10	E23	SOT-323
DTA143ZUAQ	PNP	200	-100	-50	-30 ~ +5	4.7	10	113	SOT-323
DTC124EUAQ	NPN	200	100	50	-10 ~ +40	22	1	25	SOT-323
DTC114YUAQ	NPN	200	100	50	-6 ~ +40	10	4.7	64	SOT-323
DTA114YUAQ	PNP	200	-100	-50	-40 ~ +6	10	4.7	94	SOT-323
DTC144EUAQ	NPN	200	100	50	-10 ~ +40	47	1	26	SOT-323
DTA144EUAQ	PNP	200	-100	-50	-40 ~ +10	47	1	16	SOT-323
UMD22NQ	NPN+PNP	150	100 -100	50 -50	-5 ~ +30 -30 ~ +5	4.7	10	D22	SOT-363
UMH1NQ	NPN	150	100	50	-10 ~ +40	22	1	H1	SOT-363
UMD2NQ	NPN+PNP	100	100 -100	50 -50	-10 ~ +40 -40 ~ +10	22	1	D2	SOT-363
UMD9NQ	NPN+PNP	150	100 -100	50 -50	-6 ~ +40 -40 ~ +6	10	4.7	D9	SOT-363
UMH11NQ	NPN	150	100	50	-10 ~ +40	10	1	H11	SOT-363
UMD3NQ	NPN+PNP	150	100 -100	50 -50	-10 ~ +40 -40 ~ +10	10	1	D3	SOT-363
UMH9NQ	NPN	150	100	50	-6 ~ +40	10	4.7	H9	SOT-363



SOT-23



SOT-323



SOT-363

功率三极管 Power transistor

型号 TYPE NO.	极性 POLARITY	集电极 耗散功率	集电极 电流	集电极基极 击穿电压	集电极发射 极击穿电压	发射极基极 击穿电压	放大倍数h _{FE}				集电极发射极饱和电压 V _{CE(sat)}			频率 f _T MHz	封装 Package
		P _{CM}	I _C	BV _{CEO}	BV _{CE0}	BV _{EB0}	MIN	MAX	V _{CE}	I _C	I _C	I _B			
		mW	mA	V	V	V			V	mA	V	mA	mA		
MJD31CQ	NPN	1.25	3	100	100	5	10	75	4	3	1.2	3	0.375	3	TO-252
MJD32CQ	PNP	1.25	-3	-100	-100	-5	10	75	-4	-3	-1.2	-3	-0.375	3	TO-252
MJD41CQ	NPN	1.25	6	100	100	5	15	155	4	3	1.5	6	0.6	3	TO-252
MJD42CQ	PNP	1.25	-6	-100	-100	-5	15	75	-4	-3	-1.5	-6	-0.6	3	TO-252
BCX56-16Q	NPN	0.5	1	100	80	5	100	250	2	0.15	0.5	0.5	0.05	130	SOT-89
BCP54-16Q	NPN	1.5	1	45	45	5	100	250	2	0.15	0.5	0.5	0.05	100	SOT-223
BCP56-16Q	NPN	1.5	1	100	80	5	100	250	2	0.15	0.5	0.5	0.05	100	SOT-223
PZT5551Q	NPN	1	0.6	180	160	6	80	250	5	0.01	0.2	0.05	0.005	100-300	SOT-223



TO-252



SOT-89



SOT-223

中低压MOS管

LOW & MEDIUM VOLTAGE MOSFETS

型号 TYPE NO.	极性 POLARITY	漏源击穿电压 V _{DSS}	零栅极电压漏极电流 I _D	损耗功率 PD	栅源电压 V _{GS}	门极阈值电压 V _{TH}	静态漏源导通电阻R _{dson} (mΩ)						类型 Type	封装 Package
							@V _{GS} =10V		@V _{GS} =4.5V		@V _{GS} =2.5V			
							Typ	Max	Typ	Max	Typ	Max		
2N7002KCQ	N	60	0.3	0.3	±20	1.5	1900	2500	2000	3000	-	-	中低压	SOT-23
YJL2302AQ	N	20	4.3	1	±10	0.85	-	-	21	27	28	37	中低压	SOT-23
YJL2301CQ	P	-20	-3.4	1	±10	0.62	-	-	42	51	55	67	中低压	SOT-23
YJL2312AQ	N	20	6.8	1.25	±10	0.62	-	-	13.5	18	17	22	中低压	SOT-23
YJL2305BQ	P	-20	-5.4	1.2	±10	0.62	-	-	27	39	36	49	中低压	SOT-23
YJL3400AQ	N	30	5.6	1.2	±12	0.9	20	25	23	31	27	45	中低压	SOT-23
YJL3401AQ	P	-30	-4.4	1.2	±12	-0.9	45.5	55	52	68	64	96	中低压	SOT-23
YJL3404AQ	N	30	5.6	1.2	±20	1.5	21	29	27	40	-	-	中低压	SOT-23
YJL3407AQ	P	-30	-4.1	1.2	±20	-1.5	36	49	52	65	-	-	中低压	SOT-23
YJL05N04AQ	N	40	5	1.2	±20	1.5	30	45	40	60	-	-	中低压	SOT-23
YJL03N06AQ	N	60	3	1.3	±20	1.2	86	100	92	120	-	-	中低压	SOT-23
2N7002KCWQ	N	60	0.3	0.3	±20	1.5	1900	2500	2000	3000	-	-	中低压	SOT-323
2N7002KCDWQ	N	60	0.3	0.3	±20	1.5	1900	2500	2000	3000	-	-	中低压	SOT-363
YJD40G10AQ	N	100	40	72	±20	1.8	17	20	20	26	-	-	中低压	TO-252
YJB150N06BQ	N	60	150	225	±20	3.0	4.6	5.5	-	-	-	-	中低压	TO-263
YJD45G10AQ	N	100	45	72	±20	1.8	14	17	17	21.5	-	-	中低压	TO-252
YJD18GP10AQ	P	-100	-18	72	±20	-1.8	83	110	95	120	-	-	中低压	TO-252
YJG40G10AQ	N	100	40	70	±20	1.8	15	19	18	23	-	-	中低压	PDFN5060
YJG25GP10AQ	P	-100	-25	70	±20	-1.7	42	55	46	60	-	-	中低压	PDFN5060
YJQ53G06AQ	N	60	53	44	±20	1.7	6	8.2	8	12	-	-	中低压	DFN3333
YJL2101WQ	P	-20	-1.2	0.3	±10	-0.6	-	-	100	130	135	170	中低压	SOT-323
YJL2102WQ	N	20	2	0.35	±10	0.8	-	-	60	80	75	98	中低压	SOT-323
YJG60G10BQ	N	100	60	78	±20	1.8	8	12	9.5	15	-	-	中低压	PDFN5060
2N7002KDDWQ	N	60	0.22	0.25	±20	1.5	1100	2500	1300	3000	-	-	中低压	SOT-363
YJL3415KCQ	P	-20	-2.5	0.48	±10	-0.85	-	-	28	45	50	75	中低压	SOT-23
YJQ40G10AQ	N	100	40	43	±20	1.8	14	18.5	17	22.5	-	-	中低压	DFN3333
YJQ15GP10AQ	P	-100	-15	43	±20	-1.8	83	110	95	120	-	-	中低压	DFN3333
YJL2301HQ	P	-20	-2.4	0.89	±12	-1	-	-	70	95	120	150	中低压	SOT-23
YJQ35N04AQ	N	40	35	40	±20	1.5	5.5	8	7.5	13	-	-	中低压	DFN3333
YJQ20N04AQ	N	40	20	21	±20	1.5	10	14	14.5	18.5	-	-	中低压	DFN3333
YJD40N04AQ	N	40	40	28	±20	1.5	8.6	13	15	23	-	-	中低压	TO-252
YJG30N04AQ	N	40	30	35.7	±20	1.5	10	16	13.5	20	-	-	中低压	PDFN5060
YJG60N04AQ	N	40	60	50	±20	1.5	5	7	-	-	-	-	中低压	PDFN5060
YJQ53G06AQ	N	60	53	44	±20	1.7	6	8.2	8	12	-	-	中低压	DFN3333
YJG70G06AQ	N	60	70	69	±20	1.7	5.4	7.5	6.9	9.5	-	-	中低压	PDFN5060
YJD80G06CQ	N	60	80	78	±20	1.7	5.5	7.5	6.5	10	-	-	中低压	TO-252
YJG30N06AQ	N	60	30	44.5	±20	1.5	16	21	17	26	-	-	中低压	PDFN5060
YJD20N06AQ	N	60	20	28	±20	1.5	23	43	25	47	-	-	中低压	TO-252
YJD50N06AQ	N	60	50	59.5	±20	1.5	11	15	12.5	18	-	-	中低压	TO-252
YJG130G04CQ	N	40	130	125	±20	1.8	1.5	1.9	2	2.8	-	-	中低压	PDFN5060
YJG80GP06BQ	P	-60	-80	120	±18	-2.7	6.1	8.5	-	-	-	-	中低压	PDFN5060
YJG95G06AQ	N	60	95	113	±20	1.7	2.9	3.8	3.2	4.5	-	-	中低压	PDFN5060



SOT-23



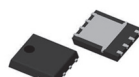
SOT-323



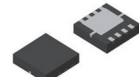
TO-252



TO-263



PDFN5060



DFN3333

普通整流二极管

STANDARD RECOVERY RECTIFIERS

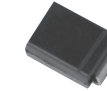
型号 TYPE NO.	最大反向峰值电压 Max. Reverse Voltage	最大正向电流 Max. Aver. Rect. Current	最大正向浪涌电流 Peak Fwd. Surge Current	最大正向压降 Max. Fwd. Voltage @25°C & Rated I _o		最大反向漏电流 Maximum Reverse Current @ Rated V _{RM} & T _c		典型热阻 Typical Thermal Resistance	结电容 Typical junction capacitance	工作结温 Operation Temp. Range	封装 Package
				Rated I _o (A)	V _F (V)	@25°C I _R (mA)	@125°C I _R (mA)				
				V _{RM} (V)	I _o (A)	I _{FSM} (A)	Rated I _o (A)				
G1AQ	50	1.0	30	1.0	1.1	5	100	85	10	-55~+175	SOD-123FL
G1BQ	100	1.0	30	1.0	1.1	5	100	85	10	-55~+175	SOD-123FL
G1DQ	200	1.0	30	1.0	1.1	5	100	85	10	-55~+175	SOD-123FL
G1GQ	400	1.0	30	1.0	1.1	5	100	85	10	-55~+175	SOD-123FL
G1JQ	600	1.0	30	1.0	1.1	5	100	85	10	-55~+175	SOD-123FL
G1KQ	800	1.0	30	1.0	1.1	5	100	85	10	-55~+150	SOD-123FL
G1MQ	1000	1.0	30	1.0	1.1	5	100	85	10	-55~+150	SOD-123FL
GS1AQ	50	1.0	40	1.0	1.1	5	50	75	16	-55~+150	SMA
GS1BQ	100	1.0	40	1.0	1.1	5	50	75	16	-55~+150	SMA
GS1DQ	200	1.0	40	1.0	1.1	5	50	75	16	-55~+150	SMA
GS1GQ	400	1.0	40	1.0	1.1	5	50	75	16	-55~+150	SMA
GS1JQ	600	1.0	40	1.0	1.1	5	50	75	16	-55~+150	SMA
GS1KQ	800	1.0	40	1.0	1.1	5	50	85	12	-55~+150	SMA
GS1MQ	1000	1.0	40	1.0	1.1	5	50	85	12	-55~+150	SMA
GS2AAQ	50	2.0	50	2.0	1.15	5	100	55	18	-55~+150	SMA
GS2BAQ	100	2.0	50	2.0	1.15	5	100	55	18	-55~+150	SMA
GS2DAQ	200	2.0	50	2.0	1.15	5	100	55	18	-55~+150	SMA
GS2GAQ	400	2.0	50	2.0	1.15	5	100	55	18	-55~+150	SMA
GS2JAQ	600	2.0	50	2.0	1.15	5	100	55	18	-55~+150	SMA
GS2KAQ	800	2.0	50	2.0	1.15	5	100	55	18	-55~+150	SMA
GS2MAQ	1000	2.0	50	2.0	1.15	5	100	55	18	-55~+150	SMA
GS2AQ	50	2.0	50	2.0	1.15	5	100	75	18	-55~+150	SMB
GS2BQ	100	2.0	50	2.0	1.15	5	100	75	18	-55~+150	SMB
GS2DQ	200	2.0	50	2.0	1.15	5	100	75	18	-55~+150	SMB
GS2GQ	400	2.0	50	2.0	1.15	5	100	75	18	-55~+150	SMB
GS2JQ	600	2.0	50	2.0	1.15	5	100	75	18	-55~+150	SMB
GS2KQ	800	2.0	50	2.0	1.15	5	100	75	18	-55~+150	SMB
GS2MQ	1000	2.0	50	2.0	1.15	5	100	75	18	-55~+150	SMB
GS3ABQ	50	3.0	100	3.0	1.15	5	100	75	25	-55~+150	SMB
GS3BBQ	100	3.0	100	3.0	1.15	5	100	75	25	-55~+150	SMB
GS3DBQ	200	3.0	100	3.0	1.15	5	100	75	25	-55~+150	SMB
GS3GBQ	400	3.0	100	3.0	1.15	5	100	75	25	-55~+150	SMB
GS3JBQ	600	3.0	100	3.0	1.15	5	100	75	25	-55~+150	SMB
GS3KBQ	800	3.0	100	3.0	1.15	5	100	75	25	-55~+150	SMB
GS3MBQ	1000	3.0	100	3.0	1.15	5	100	75	25	-55~+150	SMB
GS3AQ	50	3.0	100	3.0	1.1	5	50	75	25	-55~+150	SMC
GS3BQ	100	3.0	100	3.0	1.1	5	50	75	25	-55~+150	SMC
GS3DQ	200	3.0	100	3.0	1.1	5	50	75	25	-55~+150	SMC
GS3GQ	400	3.0	100	3.0	1.1	5	50	75	25	-55~+150	SMC
GS3JQ	600	3.0	100	3.0	1.1	5	50	75	25	-55~+150	SMC
GS3KQ	800	3.0	100	3.0	1.1	5	50	75	25	-55~+150	SMC
GS3MQ	1000	3.0	100	3.0	1.1	5	50	75	25	-55~+150	SMC
GS5AQ	50	5.0	120	5.0	1.1	5	50	75	55	-55~+150	SMC
GS5BQ	100	5.0	120	5.0	1.1	5	50	75	55	-55~+150	SMC



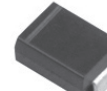
SOD-123FL



SMA



SMB



SMC

普通整流二极管

STANDARD RECOVERY RECTIFIERS

型号 TYPE NO.	最大反向峰值电压 Max.Reverse Voltage	最大正向电流 Max.Aver. Rect.Current	最大正向浪涌电流 Peak Fwd. Surge Current	最大正向压降 Max.Fwd.Voltage @25°C &Rated Io		最大反向漏电流 Maximum Reverse Current@Rated VRM&Tc		典型热阻 Typical Thermal Resistance	结电容 Typical junction capacitance	工作结温 Operation Temp.Range	封装 Package
	VRM(V)	Io(A)	IFSM(A)	Rated Io(A)	VF(V)	@25°C IR(mA)	@125°C IR(mA)	RθJA(C/W)	CJ(PF)	Tj(°C)	
GS5DQ	200	5.0	120	5.0	1.1	5	50	75	55	-55~+150	SMC
GS5GQ	400	5.0	120	5.0	1.1	5	50	75	55	-55~+150	SMC
GS5JQ	600	5.0	120	5.0	1.1	5	50	75	55	-55~+150	SMC
GS5KQ	800	5.0	120	5.0	1.1	5	50	75	55	-55~+150	SMC
GS5MQ	1000	5.0	120	5.0	1.1	5	50	75	55	-55~+150	SMC
GS8AQ	50	8.0	200	8.0	1.1	10	250	75	70	-55~+150	SMC
GS8BQ	100	8.0	200	8.0	1.1	10	250	75	70	-55~+150	SMC
GS8DQ	200	8.0	200	8.0	1.1	10	250	75	70	-55~+150	SMC
GS8GQ	400	8.0	200	8.0	1.1	10	250	75	70	-55~+150	SMC
GS8JQ	600	8.0	200	8.0	1.1	10	250	75	70	-55~+150	SMC
GS8KQ	800	8.0	200	8.0	1.1	10	250	75	60	-55~+150	SMC
GS8MQ	1000	8.0	200	8.0	1.1	10	250	75	60	-55~+150	SMC



SMC

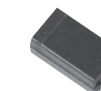
肖特基二极管

SCHOTTKY RECTIFIER

型号 TYPE NO.	最大反向峰值电压 Max.Reverse Voltage	最大正向电流 Max.Aver. Rect.Current	最大正向浪涌电流 Peak Fwd. Surge Current	最大正向压降 Max.Fwd.Voltage @25°C &Rated Io		最大反向漏电流 Maximum Reverse Current@Rated VRM&Tc		典型热阻 Typical Thermal Resistance	结电容 Typical junction capacitance	工作结温 Operation Temp.Range	封装 Package
	VRM(V)	Io(A)	IFSM(A)	Rated Io(A)	VF(V)	@25°C IR(mA)	@100°C IR(mA)	RθJA(C/W)	CJ(PF)	Tj(°C)	
S12Q	20	1.0	40	1.0	0.5	200	20	85	95	-55~+150	SOD-123FL
S13Q	30	1.0	40	1.0	0.5	200	20	85	95	-55~+150	SOD-123FL
S14Q	40	1.0	40	1.0	0.5	200	20	85	95	-55~+150	SOD-123FL
S16Q	60	1.0	40	1.0	0.7	50	10	85	75	-55~+150	SOD-123FL
S18Q	80	1.0	40	1.0	0.77	1	0.5	85	50	-55~+175	SOD-123FL
S110Q	100	1.0	40	1.0	0.77	1	0.5	85	50	-55~+175	SOD-123FL
S115Q	150	1.0	40	1.0	0.9	1	1	85	30	-55~+175	SOD-123FL
S120Q	200	1.0	40	1.0	0.9	1	1	85	30	-55~+175	SOD-123FL
S22Q	20	2.0	50	2.0	0.55	200	8	85	115	-55~+150	SOD-123FL
S23Q	30	2.0	50	2.0	0.55	200	8	85	115	-55~+150	SOD-123FL
S24Q	40	2.0	50	2.0	0.55	200	8	85	115	-55~+150	SOD-123FL
S26Q	60	2.0	50	2.0	0.7	100	10	85	95	-55~+150	SOD-123FL
S28Q	80	2.0	50	2.0	0.8	1	0.15	85	60	-55~+175	SOD-123FL
S210Q	100	2.0	50	2.0	0.8	1	0.15	85	60	-55~+175	SOD-123FL
S215Q	150	2.0	50	2.0	0.9	5	0.15	85	40	-55~+175	SOD-123FL
S220Q	200	2.0	50	2.0	0.9	5	0.15	85	40	-55~+175	SOD-123FL
SS12AQ	20	1.0	40	1.0	0.5	200	20	65	95	-55~+150	SMA
SS13AQ	30	1.0	40	1.0	0.5	200	20	65	95	-55~+150	SMA
SS14AQ	40	1.0	40	1.0	0.5	200	20	65	95	-55~+150	SMA
SS15AQ	50	1.0	40	1.0	0.7	50	10	65	75	-55~+150	SMA
SS16AQ	60	1.0	40	1.0	0.7	50	10	65	75	-55~+150	SMA
SS18AQ	80	1.0	40	1.0	0.77	1	0.5	65	50	-55~+175	SMA
SS110AQ	100	1.0	40	1.0	0.77	1	0.5	65	50	-55~+175	SMA
SS115AQ	150	1.0	40	1.0	0.9	1	1	65	30	-55~+175	SMA
SS120AQ	200	1.0	40	1.0	0.9	1	1	65	30	-55~+175	SMA
SS22AQ	20	2.0	75	2.0	0.55	200	8	75	115	-55~+150	SMA
SS23AQ	30	2.0	75	2.0	0.55	200	8	75	115	-55~+150	SMA
SS24AQ	40	2.0	75	2.0	0.55	200	8	75	115	-55~+150	SMA
SS26AQ	60	2.0	75	2.0	0.7	100	10	75	95	-55~+150	SMA
SS28AQ	80	2.0	75	2.0	0.8	1	0.15	75	60	-55~+175	SMA
SS210AQ	100	2.0	75	2.0	0.8	1	0.15	75	60	-55~+175	SMA
SS215AQ	150	2.0	75	2.0	0.9	5	0.15	75	40	-55~+175	SMA
SS220AQ	200	2.0	75	2.0	0.9	5	0.15	75	40	-55~+175	SMA
SS32AQ	20	3.0	80	3.0	0.5	100	30	55	150	-55~+150	SMA
SS33AQ	30	3.0	80	3.0	0.5	100	30	55	150	-55~+150	SMA
SS34AQ	40	3.0	80	3.0	0.5	100	30	55	150	-55~+150	SMA
SS36AQ	60	3.0	80	3.0	0.7	100	10	55	135	-55~+150	SMA
SS38AQ	80	3.0	80	3.0	0.8	1	0.15	55	95	-55~+175	SMA
SS310AQ	100	3.0	80	3.0	0.8	1	0.15	55	95	-55~+175	SMA
SS315AQ	150	3.0	80	3.0	0.9	1	0.15	55	60	-55~+175	SMA
SS320AQ	200	3.0	80	3.0	0.9	1	0.15	55	60	-55~+175	SMA
SS52AQ	20	5.0	120	5.0	0.6	100	20	60	265	-55~+150	SMA
SS53AQ	30	5.0	120	5.0	0.6	100	20	60	265	-55~+150	SMA



SOD-123FL



SMA

肖特基二极管 SCHOTTKY RECTIFIER

型号 TYPE NO.	最大反向峰值电压 Max.Reverse Voltage	最大正向电流 Max.Aver. Rect.Current	最大正向浪涌电流 Peak Fwd. Surge Current	最大正向压降 Max.Fwd.Voltage @25°C &Rated Io		最大反向漏电流 Maximum Reverse Current@Rated VRM&Tc		典型热阻 Typical Thermal Resistance	结电容 Typical junction capacitance	工作结温 Operation Temp.Range	封装 Package
	V _{RM} (V)	I _o (A)	I _{FSM} (A)	Rated I _o (A)	V _F (V)	@25°C I _R (mA)	@100°C I _R (mA)	R _{θJA} (°C/W)	C _J (PF)	T _J (°C)	
SS54AQ	40	5.0	120	5.0	0.6	100	20	60	265	-55~+150	SMA
SS56AQ	60	5.0	120	5.0	0.7	100	20	60	215	-55~+150	SMA
SS58AQ	80	5.0	120	5.0	0.8	10	0.2	60	150	-55~+175	SMA
SS510AQ	100	5.0	120	5.0	0.8	10	0.2	60	150	-55~+175	SMA
SS515AQ	150	5.0	100	5.0	0.9	1	0.15	60	100	-55~+175	SMA
SS520AQ	200	5.0	100	5.0	0.9	1	0.15	60	100	-55~+175	SMA
SS22Q	20	2.0	75	2.0	0.55	200	8	75	115	-55~+150	SMB
SS23Q	30	2.0	75	2.0	0.55	200	8	75	115	-55~+150	SMB
SS24Q	40	2.0	75	2.0	0.55	200	8	75	115	-55~+150	SMB
SS26Q	60	2.0	75	2.0	0.7	100	10	75	95	-55~+150	SMB
SS28Q	80	2.0	75	2.0	0.8	1	0.15	75	60	-55~+175	SMB
SS210Q	100	2.0	75	2.0	0.8	1	0.15	75	60	-55~+175	SMB
SS215Q	150	2.0	75	2.0	0.9	5	0.15	75	40	-55~+175	SMB
SS220Q	200	2.0	75	2.0	0.9	5	0.15	75	40	-55~+175	SMB
SS32BQ	20	3.0	80	3.0	0.5	100	30	63	150	-55~+150	SMB
SS33BQ	30	3.0	80	3.0	0.5	100	30	63	150	-55~+150	SMB
SS34BQ	40	3.0	80	3.0	0.5	100	30	63	150	-55~+150	SMB
SS36BQ	60	3.0	80	3.0	0.7	100	10	63	135	-55~+150	SMB
SS38BQ	80	3.0	80	3.0	0.8	1	0.15	63	95	-55~+175	SMB
SS310BQ	100	3.0	80	3.0	0.8	1	0.15	63	95	-55~+175	SMB
SS315BQ	150	3.0	80	3.0	0.9	1	0.15	63	60	-55~+175	SMB
SS320BQ	200	3.0	80	3.0	0.9	1	0.15	63	60	-55~+175	SMB
SS52BQ	20	5.0	120	5.0	0.6	100	20	63	265	-55~+150	SMB
SS53BQ	30	5.0	120	5.0	0.6	100	20	63	265	-55~+150	SMB
SS54BQ	40	5.0	120	5.0	0.6	100	20	63	265	-55~+150	SMB
SS56BQ	60	5.0	120	5.0	0.7	100	20	63	215	-55~+150	SMB
SS58BQ	80	5.0	120	5.0	0.8	10	0.2	63	150	-55~+175	SMB
SS510BQ	100	5.0	120	5.0	0.8	10	0.2	63	150	-55~+175	SMB
SS515BQ	150	5.0	120	5.0	0.9	1	0.15	63	100	-55~+175	SMB
SS520BQ	200	5.0	120	5.0	0.9	1	0.15	63	100	-55~+175	SMB
SS32Q	20	3.0	80	3.0	0.5	100	30	48	150	-55~+150	SMC
SS34Q	40	3.0	80	3.0	0.5	100	30	48	150	-55~+150	SMC
SS36Q	60	3.0	80	3.0	0.7	100	10	48	135	-55~+150	SMC
SS310Q	100	3.0	80	3.0	0.8	1	0.15	48	95	-55~+175	SMC
SS315Q	150	3.0	80	3.0	0.9	1	0.15	48	60	-55~+175	SMC
SS320Q	200	3.0	80	3.0	0.9	1	0.15	48	60	-55~+175	SMC
SS52Q	20	5.0	120	5.0	0.6	100	20	47	265	-55~+150	SMC
SS53Q	30	5.0	120	5.0	0.6	100	20	47	265	-55~+150	SMC
SS54Q	40	5.0	120	5.0	0.6	100	20	47	265	-55~+150	SMC
SS56Q	60	5.0	120	5.0	0.7	100	20	47	215	-55~+150	SMC
SS58Q	80	5.0	120	5.0	0.8	10	0.2	47	150	-55~+175	SMC
SS510Q	100	5.0	120	5.0	0.8	10	0.2	47	150	-55~+175	SMC
SS515Q	150	5.0	120	5.0	0.9	1	0.15	47	100	-55~+175	SMC



SMA



SMB



SMC

肖特基二极管 SCHOTTKY RECTIFIER

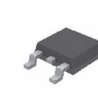
型号 TYPE NO.	最大反向峰值电压 Max.Reverse Voltage	最大正向电流 Max.Aver. Rect.Current	最大正向浪涌电流 Peak Fwd. Surge Current	最大正向压降 Max.Fwd.Voltage @25°C &Rated Io		最大反向漏电流 Maximum Reverse Current@Rated VRM&Tc		典型热阻 Typical Thermal Resistance	结电容 Typical junction capacitance	工作结温 Operation Temp.Range	封装 Package
	V _{RM} (V)	I _o (A)	I _{FSM} (A)	Rated I _o (A)	V _F (V)	@25°C I _R (mA)	@100°C I _R (mA)	R _{θJA} (°C/W)	C _J (PF)	T _J (°C)	
SS520Q	200	5.0	120	5.0	0.9	1	0.15	47	100	-55~+175	SMC
SS82Q	20	8.0	150	8.0	0.55	100	30	45	480	-55~+150	SMC
SS84Q	40	8.0	150	8.0	0.55	100	30	45	480	-55~+150	SMC
SS86Q	60	8.0	150	8.0	0.7	100	20	45	330	-55~+150	SMC
SS810Q	100	8.0	150	8.0	0.85	10	0.2	45	270	-55~+175	SMC
SS820Q	200	8.0	150	8.0	0.9	10	0.2	45	165	-55~+175	SMC
SS5U50PAQ	50	5.0	200	5.0	0.64	150	20	-	-	-55~+150	TO-277
SS5U60PAQ	60	5.0	200	5.0	0.64	150	20	-	-	-55~+150	TO-277
SS5U100PAQ	100	5.0	200	5.0	0.8	100	3	60	270	-55~+150	TO-277
SS10U100PQ	100	10	200	10	0.85	10	3	65	270	-55~+175	TO-277
SS10U200PQ	200	10	200	10	0.95	1	5	60	160	-55~+175	TO-277
SS15U45PQ	45	15	300	15	0.8	100	50	-	700	-55~+150	TO-277
SS15U60PQ	60	15	300	15	0.8	100	50	-	490	-55~+150	TO-277
SS15U100PQ	100	15	300	15	0.88	10	20	75	420	-55~+175	TO-277
MBR1045CDQ	45	10	120	10	0.58	100	100	-	270	-55~+150	TO-252
MBRB3045CTQ	45	30	200	30	0.65	100	100	50	715	-55~+150	TO-263
MBRB10200CTQ	200	10	150	10	0.9	100	20	50	105	-55~+175	TO-263
MBRB20200CTQ	200	20	200	20	0.9	100	20	50	180	-55~+175	TO-263



SMC



TO-277



TO-252



TO-263

TVS二极管

TRANSISTENT VOLTAGE SUPPRESSOR DIODE

型号 TYPE NO.		最大功耗 Peak Power Dissipation	击穿电压 Breakdown Voltage @IT VBR(V)			最大反向漏电流 Maximum Reverse Leakage IR@VRWM (μA)	峰值工作 反向电压 Stand-off Voltage VRWM(V)	最大脉冲 峰值电流 Peak Pulse Current IPP(A)	最大箝位电压 Maximum Clamping Voltage VC@IPP (V)	工作温度范围 Operation Temp.Range Tj (°C)	正向浪 涌电流 IFSM (A)	封装 Package
Part Number	Part Number		Min.(V)	Max.(V)	IT(mA)							
SMF5.0AQ	-	200	6.4	7.07	10	400	5.0	21.74	9.2	-55~+175	20	SOD-123FL
SMF6.0AQ	-	200	6.67	7.37	10	400	6	19.42	10.3	-55~+175	20	SOD-123FL
SMF6.5AQ	-	200	7.22	7.98	10	250	6.5	17.86	11.2	-55~+175	20	SOD-123FL
SMF7.0AQ	-	200	7.78	8.6	10	100	7	16.67	12	-55~+175	30	SOD-123FL
SMF7.5AQ	-	200	8.33	9.21	1	50	7.5	15.50	12.9	-55~+175	30	SOD-123FL
SMF8.0AQ	-	200	8.89	9.83	1	25	8	14.71	13.6	-55~+175	30	SOD-123FL
SMF8.5AQ	-	200	9.44	10.4	1	10	8.5	13.89	14.4	-55~+175	30	SOD-123FL
SMF9.0AQ	-	200	10	11.1	1	5	9	12.99	15.4	-55~+175	30	SOD-123FL
SMF10AQ	-	200	11.1	12.3	1	2.5	10	11.76	17	-55~+175	30	SOD-123FL
SMF11AQ	-	200	12.2	13.5	1	2.5	11	10.99	18.2	-55~+175	30	SOD-123FL
SMF12AQ	-	200	13.3	14.7	1	2.5	12	10.05	19.9	-55~+175	30	SOD-123FL
SMF13AQ	-	200	14.4	15.9	1	1	13	9.30	21.5	-55~+175	30	SOD-123FL
SMF14AQ	-	200	15.6	17.2	1	1	14	8.62	23.2	-55~+175	30	SOD-123FL
SMF15AQ	-	200	16.7	18.5	1	1	15	8.20	24.4	-55~+175	30	SOD-123FL
SMF16AQ	-	200	17.8	19.7	1	1	16	7.69	26	-55~+175	30	SOD-123FL
SMF17AQ	-	200	18.9	20.9	1	1	17	7.25	27.6	-55~+175	30	SOD-123FL
SMF18AQ	-	200	20	22.1	1	1	18	6.85	29.2	-55~+175	30	SOD-123FL
SMF19AQ	-	200	21.1	23.3	1	1	19	6.54	30.6	-55~+175	30	SOD-123FL
SMF20AQ	-	200	22.2	24.5	1	1	20	6.17	32.4	-55~+175	30	SOD-123FL
SMF22AQ	-	200	24.4	26.9	1	1	22	5.63	35.5	-55~+175	30	SOD-123FL
SMF24AQ	-	200	26.7	29.5	1	1	24	5.14	38.9	-55~+175	30	SOD-123FL
SMF26AQ	-	200	28.9	31.9	1	1	26	4.75	42.1	-55~+175	30	SOD-123FL
SMF28AQ	-	200	31.1	34.4	1	1	28	4.41	45.4	-55~+175	30	SOD-123FL
SMF30AQ	-	200	33.3	36.8	1	1	30	4.13	48.4	-55~+175	30	SOD-123FL
SMF33AQ	-	200	36.7	40.6	1	1	33	3.75	53.3	-55~+175	30	SOD-123FL
SMF36AQ	-	200	40	44.2	1	1	36	3.44	58.1	-55~+175	30	SOD-123FL
SMF40AQ	-	200	44.4	49.1	1	1	40	3.10	64.5	-55~+175	30	SOD-123FL
SMF43AQ	-	200	47.8	52.8	1	1	43	2.88	69.4	-55~+175	30	SOD-123FL
SMF45AQ	-	200	50	55.3	1	1	45	2.75	72.7	-55~+175	30	SOD-123FL
SMF48AQ	-	200	53.3	58.9	1	1	48	2.58	77.4	-55~+175	30	SOD-123FL
SMF51AQ	-	200	56.7	62.7	1	1	51	2.43	82.4	-55~+175	30	SOD-123FL
SMF54AQ	-	200	60	66.3	1	1	54	2.30	87.1	-55~+175	30	SOD-123FL
SMF58AQ	-	200	64.4	71.2	1	1	58	2.14	93.6	-55~+175	30	SOD-123FL
SMF60AQ	-	200	66.7	73.7	1	1	60	2.07	96.8	-55~+175	30	SOD-123FL
SMF64AQ	-	200	71.1	78.6	1	1	64	1.94	103	-55~+175	30	SOD-123FL
SMF70AQ	-	200	77.8	86	1	1	70	1.77	113	-55~+175	30	SOD-123FL
SMF75AQ	-	200	83.3	92.1	1	1	75	1.65	121	-55~+175	30	SOD-123FL
SMF78AQ	-	200	86.7	95.8	1	1	78	1.59	126	-55~+175	30	SOD-123FL
SMF80AQ	-	200	88.8	97.6	1	1	80	1.55	129	-55~+175	30	SOD-123FL
SMF85AQ	-	200	94.4	104	1	1	85	1.46	137	-55~+175	30	SOD-123FL
SMF90AQ	-	200	100	111	1	1	90	1.37	146	-55~+175	30	SOD-123FL
SMF100AQ	-	200	111	123	1	1	100	1.23	162	-55~+175	30	SOD-123FL
SM4F7.0AQ	-	400	7.78	8.6	10	200	7	30.9	12	-55~+175	30	SOD-123FL
SM4F7.5AQ	-	400	8.33	9.21	1	100	7.5	28.7	12.9	-55~+175	30	SOD-123FL



SOD-123FL

TVS二极管

TRANSISTENT VOLTAGE SUPPRESSOR DIODE

型号 TYPE NO.		最大功耗 Peak Power Dissipation	击穿电压 Breakdown Voltage @IT VBR(V)			最大反向漏电流 Maximum Reverse Leakage IR@VRWM (μA)	峰值工作 反向电压 Stand-off Voltage VRWM(V)	最大脉冲 峰值电流 Peak Pulse Current IPP(A)	最大箝位电压 Maximum Clamping Voltage VC@IPP (V)	工作温度范围 Operation Temp.Range Tj (°C)	正向浪 涌电流 IFSM (A)	封装 Package
Part Number	Part Number		Min.(V)	Max.(V)	IT(mA)							
SM4F8.0AQ	-	400	8.89	9.83	1	50	8	27.2	13.6	-55~+175	30	SOD-123FL
SM4F8.5AQ	-	400	9.44	10.4	1	20	8.5	25.7	14.4	-55~+175	30	SOD-123FL
SM4F9.0AQ	-	400	10	11.1	1	5	9	26.4	15.4	-55~+175	30	SOD-123FL
SM4F10AQ	-	400	11.1	12.3	1	5	10	23.5	17	-55~+175	30	SOD-123FL
SM4F11AQ	-	400	12.2	13.5	1	1	11	22.0	18.2	-55~+175	30	SOD-123FL
SM4F12AQ	-	400	13.3	14.7	1	1	12	20.1	19.9	-55~+175	30	SOD-123FL
SM4F13AQ	-	400	14.4	15.9	1	1	13	18.6	20	-55~+175	30	SOD-123FL
SM4F14AQ	-	400	15.6	17.2	1	1	14	17.2	23.2	-55~+175	30	SOD-123FL
SM4F15AQ	-	400	16.7	18.5	1	1	15	16.4	24.4	-55~+175	30	SOD-123FL
SM4F16AQ	-	400	17.8	19.7	1	1	16	15.4	26	-55~+175	30	SOD-123FL
SM4F17AQ	-	400	18.9	20.9	1	1	17	14.5	27.6	-55~+175	30	SOD-123FL
SM4F18AQ	-	400	20	22.1	1	1	18	13.7	29.2	-55~+175	30	SOD-123FL
SM4F19AQ	-	400	21.1	23.3	1	1	19	13.1	30.6	-55~+175	30	SOD-123FL
SM4F20AQ	-	400	22.2	24.5	1	1	20	12.3	32.4	-55~+175	30	SOD-123FL
SM4F22AQ	-	400	24.4	26.9	1	1	22	11.3	35.5	-55~+175	30	SOD-123FL
SM4F24AQ	-	400	26.7	29.5	1	1	24	10.3	38.9	-55~+175	30	SOD-123FL
SM4F26AQ	-	400	28.9	31.9	1	1	26	9.5	42.1	-55~+175	30	SOD-123FL
SM4F28AQ	-	400	31.1	34.4	1	1	28	8.8	45.4	-55~+175	30	SOD-123FL
SM4F30AQ	-	400	33.3	36.8	1	1	30	8.3	48.4	-55~+175	30	SOD-123FL
SM4F33AQ	-	400	36.7	40.6	1	1	33	7.5	53.3	-55~+175	30	SOD-123FL
SM4F36AQ	-	400	40	44.2	1	1	36	6.9	58.1	-55~+175	30	SOD-123FL
SM4F40AQ	-	400	44.4	49.1	1	1	40	6.2	64.5	-55~+175	30	SOD-123FL
SM4F43AQ	-	400	47.8	52.8	1	1	43	5.8	69.4	-55~+175	30	SOD-123FL
SM4F45AQ	-	400	50	55.3	1	1	45	5.5	72.7	-55~+175	30	SOD-123FL
SM4F48AQ	-	400	53.3	58.9	1	1	48	5.2	77.4	-55~+175	30	SOD-123FL
SM4F51AQ	-	400	56.7	62.7	1	1	51	4.9	82.4	-55~+175	30	SOD-123FL
SM4F54AQ	-	400	60	66.3	1	1	54	4.6	87.1	-55~+175	30	SOD-123FL
SM4F58AQ	-	400	64.4	71.2	1	1	58	4.3	93.6	-55~+175	30	SOD-123FL
SM4F60AQ	-	400	66.7	73.7	1	1	60	4.1	96.8	-55~+175	30	SOD-123FL
SM4F64AQ	-	400	71.1	78.6	1	1	64	3.9	103	-55~+175	30	SOD-123FL
SM4F70AQ	-	400	77.8	86	1	1	70	3.5	113	-55~+175	30	SOD-123FL
SM4F75AQ	-	400	83.3	92.1	1	1	75	3.3	121	-55~+175	30	SOD-123FL
SM4F78AQ	-	400	86.7	95.8	1	1	78	3.2	126	-55~+175	30	SOD-123FL
SM4F80AQ	-	400	88.8	97.6	1	1	80	3.1	129	-55~+175	30	SOD-123FL
SM4F85AQ	-	400	94.4	104	1	1	85	2.9	137	-55~+175	30	SOD-123FL
SM4F90AQ	-	400	100	111	1	1	90	2.7	146	-55~+175	30	SOD-123FL
SM4F100AQ	-	400	111	123	1	1	100	2.5	162	-55~+175	30	SOD-123FL
P4SMA6.8AQ	P4SMA6.8CAQ	400	6.46	7.14	10	1000	5.8	38.10	10.5	-55~+175	40	SMA
P4SMA7.5AQ	P4SMA7.5CAQ	400	7.13	7.88	10	500	6.4	35.4	11.3	-55~+175	40	SMA
P4SMA8.2AQ	P4SMA8.2CAQ	400	7.79	8.61	10	200	7.0	33.1	12.1	-55~+175	40	SMA
P4SMA9.1AQ	P4SMA9.1CAQ	400	8.65	9.56	1	50	7.8	29.9	13.4	-55~+175	40	SMA
P4SMA10AQ	P4SMA10CAQ	400	9.50	10.50	1	10	8.6	27.6	14.5	-55~+175	40	SMA
P4SMA11AQ	P4SMA11CAQ	400	10.45	11.55	1	5	9.4	25.6	15.6	-55~+175	40	SMA
P4SMA12AQ	P4SMA12CAQ	400	11.4	12.6	1	1.0	10.2	24.0	16.7	-55~+175	40	SMA



SOD-123FL



SMA

TVS二极管

TRANSISTENT VOLTAGE SUPPRESSOR DIODE

型号 TYPE NO.		最大功耗 Peak Power Dissipation	击穿电压 Breakdown Voltage @IT VBR(V)		最大反向漏电流 Maximum Reverse Leakage IR@VRWM	峰值工作 反向电压 Stand-off Voltage	最大脉冲 峰值电流 Peak Pulse Current	最大箝位电压 Maximum Clamping Voltage VC@IPP	工作温度范围 Operation Temp.Range	正向浪 涌电流 IFSM	封装 Package	
Part Number	Part Number		Min.(V)	Max.(V)								IT(mA)
P4SMA13AQ	P4SMA13CAQ	400	12.35	13.65	1	1.0	11.1	22.0	18.2	-55~+175	40	SMA
P4SMA15AQ	P4SMA15CAQ	400	14.25	15.75	1	1.0	12.8	18.9	21.2	-55~+175	40	SMA
P4SMA16AQ	P4SMA16CAQ	400	15.2	16.8	1	1.0	13.6	17.8	22.5	-55~+175	40	SMA
P4SMA18AQ	P4SMA18CAQ	400	17.1	18.9	1	1.0	15.3	15.9	25.2	-55~+175	40	SMA
P4SMA20AQ	P4SMA20CAQ	400	19	21	1	1.0	17.1	14.4	27.7	-55~+175	40	SMA
P4SMA22AQ	P4SMA22CAQ	400	20.9	23.1	1	1.0	18.8	13.1	30.6	-55~+175	40	SMA
P4SMA24AQ	P4SMA24CAQ	400	22.8	25.2	1	1.0	20.5	12.1	33.2	-55~+175	40	SMA
P4SMA27AQ	P4SMA27CAQ	400	25.65	28.35	1	1.0	23.1	10.7	37.5	-55~+175	40	SMA
P4SMA30AQ	P4SMA30CAQ	400	28.5	31.5	1	1.0	25.6	9.7	41.4	-55~+175	40	SMA
P4SMA33AQ	P4SMA33CAQ	400	31.35	34.65	1	1.0	28.2	8.8	45.7	-55~+175	40	SMA
P4SMA36AQ	P4SMA36CAQ	400	34.2	37.8	1	1.0	30.8	8.0	49.9	-55~+175	40	SMA
P4SMA39AQ	P4SMA39CAQ	400	37.05	40.95	1	1.0	33.3	7.4	53.9	-55~+175	40	SMA
P4SMA43AQ	P4SMA43CAQ	400	40.85	45.15	1	1.0	36.8	6.8	59.3	-55~+175	40	SMA
P4SMA47AQ	P4SMA47CAQ	400	44.65	49.35	1	1.0	40.2	6.2	64.8	-55~+175	40	SMA
P4SMA51AQ	P4SMA51CAQ	400	48.45	53.55	1	1.0	43.6	5.7	70.1	-55~+175	40	SMA
P4SMA56AQ	P4SMA56CAQ	400	53.2	58.8	1	1.0	47.8	5.2	77	-55~+175	40	SMA
P4SMA62AQ	P4SMA62CAQ	400	58.9	65.1	1	1.0	53	4.7	85	-55~+175	40	SMA
P4SMA68AQ	P4SMA68CAQ	400	64.6	71.4	1	1.0	58.1	4.4	92	-55~+175	40	SMA
P4SMA75AQ	P4SMA75CAQ	400	71.25	78.75	1	1.0	64.1	3.9	103	-55~+175	40	SMA
P4SMA82AQ	P4SMA82CAQ	400	77.9	86.1	1	1.0	70.1	3.5	113	-55~+175	40	SMA
P4SMA91AQ	P4SMA91CAQ	400	86.45	95.55	1	1.0	77.8	3.2	125	-55~+175	40	SMA
P4SMA100AQ	P4SMA100CAQ	400	95	105	1	1.0	85.5	2.9	137	-55~+175	40	SMA
P4SMA110AQ	P4SMA110CAQ	400	104.5	115.5	1	1.0	94	2.6	152	-55~+175	40	SMA
P4SMA120AQ	P4SMA120CAQ	400	114	126	1	1.0	102	2.4	165	-55~+175	40	SMA
P4SMA130AQ	P4SMA130CAQ	400	123.5	136.5	1	1.0	111	2.2	179	-55~+175	40	SMA
P4SMA150AQ	P4SMA150CAQ	400	142.5	157.5	1	1.0	128	1.9	207	-55~+175	40	SMA
P4SMA160AQ	P4SMA160CAQ	400	152	168	1	1.0	136	1.8	219	-55~+175	40	SMA
P4SMA170AQ	P4SMA170CAQ	400	161.5	178.5	1	1.0	145	1.7	234	-55~+175	40	SMA
P4SMA180AQ	P4SMA180CAQ	400	171	189	1	1.0	154	1.6	246	-55~+175	40	SMA
P4SMA200AQ	P4SMA200CAQ	400	190	210	1	1.0	171	1.5	274	-55~+175	40	SMA
P4SMA220AQ	P4SMA220CAQ	400	209	231	1	1.0	185	1.2	328	-55~+175	40	SMA
SMAJ5.0AQ	SMAJ5.0CAQ	400	6.4	7.07	10	800	5.0	43.38	9.2	-55~+175	40	SMA
SMAJ6.0AQ	SMAJ6.0CAQ	400	6.67	7.37	10	800	6.0	38.83	10.3	-55~+175	40	SMA
SMAJ6.5AQ	SMAJ6.5CAQ	400	7.22	7.98	10	500	6.5	35.71	11.2	-55~+175	40	SMA
SMAJ7.0AQ	SMAJ7.0CAQ	400	7.78	8.6	10	200	7.0	33.33	12	-55~+175	40	SMA
SMAJ7.5AQ	SMAJ7.5CAQ	400	8.33	9.21	1	100	7.5	31.01	12.9	-55~+175	40	SMA
SMAJ8.0AQ	SMAJ8.0CAQ	400	8.89	9.83	1	50	8.0	29.41	13.6	-55~+175	40	SMA
SMAJ8.5AQ	SMAJ8.5CAQ	400	9.44	10.4	1	10	8.5	27.78	14.4	-55~+175	40	SMA
SMAJ9.0AQ	SMAJ9.0CAQ	400	10	11.1	1	5	9.0	25.97	15.4	-55~+175	40	SMA
SMAJ10AQ	SMAJ10CAQ	400	11.1	12.3	1	1.0	10.0	23.5	17.0	-55~+175	40	SMA
SMAJ11AQ	SMAJ11CAQ	400	12.2	13.5	1	1.0	11.0	22.0	18.2	-55~+175	40	SMA
SMAJ12AQ	SMAJ12CAQ	400	13.3	14.7	1	1.0	12.0	20.1	19.9	-55~+175	40	SMA
SMAJ13AQ	SMAJ13CAQ	400	14.4	15.9	1	1.0	13.0	18.6	21.5	-55~+175	40	SMA
SMAJ14AQ	SMAJ14CAQ	400	15.6	17.2	1	1.0	14.0	17.2	23.2	-55~+175	40	SMA



SMA

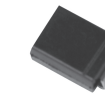
TVS二极管

TRANSISTENT VOLTAGE SUPPRESSOR DIODE

型号 TYPE NO.		最大功耗 Peak Power Dissipation	击穿电压 Breakdown Voltage @IT VBR(V)		最大反向漏电流 Maximum Reverse Leakage IR@VRWM	峰值工作 反向电压 Stand-off Voltage	最大脉冲 峰值电流 Peak Pulse Current	最大箝位电压 Maximum Clamping Voltage VC@IPP	工作温度范围 Operation Temp.Range	正向浪 涌电流 IFSM	封装 Package	
Part Number	Part Number		Min.(V)	Max.(V)								IT(mA)
SMAJ15AQ	SMAJ15CAQ	400	16.7	18.5	1	1.0	15.0	16.4	24.4	-55~+175	40	SMA
SMAJ16AQ	SMAJ16CAQ	400	17.8	19.7	1	1.0	16.0	15.4	26.0	-55~+175	40	SMA
SMAJ17AQ	SMAJ17CAQ	400	18.9	20.9	1	1.0	17.0	14.5	27.6	-55~+175	40	SMA
SMAJ18AQ	SMAJ18CAQ	400	20.0	22.1	1	1.0	18.0	13.7	29.2	-55~+175	40	SMA
SMAJ19AQ	SMAJ19CAQ	400	21.1	23.3	1	1.0	19.0	13.0	30.8	-55~+175	40	SMA
SMAJ20AQ	SMAJ20CAQ	400	22.2	24.5	1	1.0	20.0	12.4	32.4	-55~+175	40	SMA
SMAJ22AQ	SMAJ22CAQ	400	24.4	26.9	1	1.0	22.0	11.3	35.5	-55~+175	40	SMA
SMAJ24AQ	SMAJ24CAQ	400	26.7	29.5	1	1.0	24.0	10.3	38.9	-55~+175	40	SMA
SMAJ26AQ	SMAJ26CAQ	400	28.9	31.9	1	1.0	26.0	9.5	42.1	-55~+175	40	SMA
SMAJ28AQ	SMAJ28CAQ	400	31.1	34.4	1	1.0	28.0	8.8	45.4	-55~+175	40	SMA
SMAJ30AQ	SMAJ30CAQ	400	33.3	36.8	1	1.0	30.0	8.3	48.4	-55~+175	40	SMA
SMAJ33AQ	SMAJ33CAQ	400	36.7	40.6	1	1.0	33.0	7.5	53.3	-55~+175	40	SMA
SMAJ36AQ	SMAJ36CAQ	400	40.0	44.2	1	1.0	36.0	6.9	58.1	-55~+175	40	SMA
SMAJ40AQ	SMAJ40CAQ	400	44.4	49.1	1	1.0	40.0	6.2	64.5	-55~+175	40	SMA
SMAJ43AQ	SMAJ43CAQ	400	47.8	52.8	1	1.0	43.0	5.8	69.4	-55~+175	40	SMA
SMAJ45AQ	SMAJ45CAQ	400	50.0	55.3	1	1.0	45.0	5.5	72.7	-55~+175	40	SMA
SMAJ48AQ	SMAJ48CAQ	400	53.3	58.9	1	1.0	48.0	5.2	77.4	-55~+175	40	SMA
SMAJ51AQ	SMAJ51CAQ	400	56.7	62.7	1	1.0	51.0	4.9	82.4	-55~+175	40	SMA
SMAJ54AQ	SMAJ54CAQ	400	60.0	66.3	1	1.0	54.0	4.6	87.1	-55~+175	40	SMA
SMAJ58AQ	SMAJ58CAQ	400	64.4	71.2	1	1.0	58.0	4.3	93.6	-55~+175	40	SMA
SMAJ60AQ	SMAJ60CAQ	400	66.7	73.7	1	1.0	60.0	4.1	96.8	-55~+175	40	SMA
SMAJ64AQ	SMAJ64CAQ	400	71.1	78.6	1	1.0	64.0	3.9	103.0	-55~+175	40	SMA
SMAJ70AQ	SMAJ70CAQ	400	77.8	86.0	1	1.0	70.0	3.5	113.0	-55~+175	40	SMA
SMAJ75AQ	SMAJ75CAQ	400	83.3	92.1	1	1.0	75.0	3.3	121.0	-55~+175	40	SMA
SMAJ78AQ	SMAJ78CAQ	400	86.7	95.8	1	1.0	78.0	3.2	126.0	-55~+175	40	SMA
SMAJ80AQ	SMAJ80CAQ	400	88.8	97.6	1	1.0	80.0	3.1	129.0	-55~+175	40	SMA
SMAJ85AQ	SMAJ85CAQ	400	94.4	104.0	1	1.0	85.0	2.9	137.0	-55~+175	40	SMA
SMAJ90AQ	SMAJ90CAQ	400	100.0	111.0	1	1.0	90.0	2.7	146.0	-55~+175	40	SMA
SMAJ100AQ	SMAJ100CAQ	400	111.0	123.0	1	1.0	100.0	2.5	162.0	-55~+175	40	SMA
SMAJ110AQ	SMAJ110CAQ	400	122.0	135.0	1	1.0	110.0	2.3	177.0	-55~+175	40	SMA
SMAJ120AQ	SMAJ120CAQ	400	133.0	147.0	1	1.0	120.0	2.1	193.0	-55~+175	40	SMA
SMAJ130AQ	SMAJ130CAQ	400	144.0	159.0	1	1.0	130.0	1.9	209.0	-55~+175	40	SMA
SMAJ140AQ	SMAJ140CAQ	400	155.0	171.0	1	1.0	140.0	1.8	226.8	-55~+175	40	SMA
SMAJ150AQ	SMAJ150CAQ	400	167.0	185	1	1.0	150.0	1.7	243.0	-55~+175	40	SMA
SMAJ160AQ	SMAJ160CAQ	400	178.0	197	1	1.0	160.0	1.5	259.0	-55~+175	40	SMA
SMAJ170AQ	SMAJ170CAQ	400	189.0	209	1	1.0	170.0	1.5	275.0	-55~+175	40	SMA
SMAJ180AQ	SMAJ180CAQ	400	200.0	220	1	1.0	180.0	1.4	291.6	-55~+175	40	SMA
SMAJ190AQ	SMAJ190CAQ	400	211.0	232	1	1.0	190.0	1.3	307.8	-55~+175	40	SMA
SMBJ5.0AQ	SMBJ5.0CAQ	600	6.4	7.07	10	800	5.0	65.2	9.2	-55~+175	100	SMB
SMBJ6.0AQ	SMBJ6.0CAQ	600	6.67	7.37	10	800	6.0	58.3	10.3	-55~+175	100	SMB
SMBJ6.5AQ	SMBJ6.5CAQ	600	7.22	7.98	10	500	6.5	53.6	11.2	-55~+175	100	SMB
SMBJ7.0AQ	SMBJ7.0CAQ	600	7.78	8.6	10	200	7.0	50	12	-55~+175	100	SMB
SMBJ7.5AQ	SMBJ7.5CAQ	600	8.33	9.21	1	100	7.5	46.5	12.9	-55~+175	100	SMB
SMBJ8.0AQ	SMBJ8.0CAQ	600	8.89	9.83	1	50	8.0	44.1	13.6	-55~+175	100	SMB



SMA

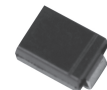


SMB

TVS二极管

TRANSISTENT VOLTAGE SUPPRESSOR DIODE

型号 TYPE NO. Part Number		最大功耗 Peak Power Dissipation	击穿电压 Breakdown Voltage @IT VBR(V)		最大反向漏电流 Maximum Reverse Leakage IR@VRWM	峰值工作 反向电压 Stand-off Voltage	最大脉冲 峰值电流 Peak Pulse Current	最大箝位电压 Maximum Clamping Voltage VC@IPP	工作温度范围 Operation Temp.Range	正向浪 涌电流 IFSM	封装 Package	
(Uni)	(Bi)	V _{RM} (V)	Min.(V)	Max.(V)	IT(mA)	(μ A)	V _{RWM} (V)	IPP(A)	(V)	T _J (C)	(A)	
SMBJ8.5AQ	SMBJ8.5CAQ	600	9.44	10.4	1	10	8.5	41.7	14.4	-55~+175	100	SMB
SMBJ9.0AQ	SMBJ9.0CAQ	600	10	11.1	1	5	9.0	39	15.4	-55~+175	100	SMB
SMBJ10AQ	SMBJ10CAQ	600	11.1	12.3	1	5.0	10.0	35.3	17.0	-55~+175	100	SMB
SMBJ11AQ	SMBJ11CAQ	600	12.2	13.5	1	5.0	11.0	33.0	18.2	-55~+175	100	SMB
SMBJ12AQ	SMBJ12CAQ	600	13.3	14.7	1	5.0	12.0	30.2	19.9	-55~+175	100	SMB
SMBJ13AQ	SMBJ13CAQ	600	14.4	15.9	1	1.0	13.0	27.9	21.5	-55~+175	100	SMB
SMBJ14AQ	SMBJ14CAQ	600	15.6	17.2	1	1.0	14.0	25.9	23.2	-55~+175	100	SMB
SMBJ15AQ	SMBJ15CAQ	600	16.7	18.5	1	1.0	15.0	24.6	24.4	-55~+175	100	SMB
SMBJ16AQ	SMBJ16CAQ	600	17.8	19.7	1	1.0	16.0	23.1	26.0	-55~+175	100	SMB
SMBJ17AQ	SMBJ17CAQ	600	18.9	20.9	1	1.0	17.0	21.7	27.6	-55~+175	100	SMB
SMBJ18AQ	SMBJ18CAQ	600	20.0	22.1	1	1.0	18.0	20.6	29.2	-55~+175	100	SMB
SMBJ19AQ	SMBJ19CAQ	600	21.1	23.3	1	1.0	19.0	19.5	30.8	-55~+175	100	SMB
SMBJ20AQ	SMBJ20CAQ	600	22.2	24.5	1	1.0	20.0	18.5	32.4	-55~+175	100	SMB
SMBJ22AQ	SMBJ22CAQ	600	24.4	26.9	1	1.0	22.0	16.9	35.5	-55~+175	100	SMB
SMBJ24AQ	SMBJ24CAQ	600	26.7	29.5	1	1.0	24.0	15.4	38.9	-55~+175	100	SMB
SMBJ26AQ	SMBJ26CAQ	600	28.9	31.9	1	1.0	26.0	14.3	42.1	-55~+175	100	SMB
SMBJ28AQ	SMBJ28CAQ	600	31.1	34.4	1	1.0	28.0	13.2	45.4	-55~+175	100	SMB
SMBJ30AQ	SMBJ30CAQ	600	33.3	36.8	1	1.0	30.0	12.4	48.4	-55~+175	100	SMB
SMBJ33AQ	SMBJ33CAQ	600	36.7	40.6	1	1.0	33.0	11.3	53.3	-55~+175	100	SMB
SMBJ36AQ	SMBJ36CAQ	600	40.0	44.2	1	1.0	36.0	10.3	58.1	-55~+175	100	SMB
SMBJ40AQ	SMBJ40CAQ	600	44.4	49.1	1	1.0	40.0	9.3	64.5	-55~+175	100	SMB
SMBJ43AQ	SMBJ43CAQ	600	47.8	52.8	1	1.0	43.0	8.6	69.4	-55~+175	100	SMB
SMBJ45AQ	SMBJ45CAQ	600	50.0	55.3	1	1.0	45.0	8.3	72.7	-55~+175	100	SMB
SMBJ48AQ	SMBJ48CAQ	600	53.3	58.9	1	1.0	48.0	7.8	77.4	-55~+175	100	SMB
SMBJ51AQ	SMBJ51CAQ	600	56.7	62.7	1	1.0	51.0	7.3	82.4	-55~+175	100	SMB
SMBJ54AQ	SMBJ54CAQ	600	60.0	66.3	1	1.0	54.0	6.9	87.1	-55~+175	100	SMB
SMBJ58AQ	SMBJ58CAQ	600	64.4	71.2	1	1.0	58.0	6.4	93.6	-55~+175	100	SMB
SMBJ60AQ	SMBJ60CAQ	600	66.7	73.7	1	1.0	60.0	6.2	96.8	-55~+175	100	SMB
SMBJ64AQ	SMBJ64CAQ	600	71.1	78.6	1	1.0	64.0	5.8	103.0	-55~+175	100	SMB
SMBJ70AQ	SMBJ70CAQ	600	77.8	86.0	1	1.0	70.0	5.3	113.0	-55~+175	100	SMB
SMBJ75AQ	SMBJ75CAQ	600	83.3	92.1	1	1.0	75.0	5.0	121.0	-55~+175	100	SMB
SMBJ78AQ	SMBJ78CAQ	600	86.7	95.8	1	1.0	78.0	4.8	126.0	-55~+175	100	SMB
SMBJ80AQ	SMBJ80CAQ	600	88.8	97.6	1	1.0	80.0	4.6	129.6	-55~+175	100	SMB
SMBJ85AQ	SMBJ85CAQ	600	94.4	104.0	1	1.0	85.0	4.4	137.0	-55~+175	100	SMB
SMBJ90AQ	SMBJ90CAQ	600	100.0	111.0	1	1.0	90.0	4.1	146.0	-55~+175	100	SMB
SMBJ100AQ	SMBJ100CAQ	600	111.0	123.0	1	1.0	100.0	3.7	162.0	-55~+175	100	SMB
SMBJ110AQ	SMBJ110CAQ	600	122.0	135.0	1	1.0	110.0	3.4	177.0	-55~+175	100	SMB
SMBJ120AQ	SMBJ120CAQ	600	133.0	147.0	1	1.0	120.0	3.1	193.0	-55~+175	100	SMB
SMBJ130AQ	SMBJ130CAQ	600	144.0	159.0	1	1.0	130.0	2.9	209.0	-55~+175	100	SMB
SMBJ140AQ	SMBJ140CAQ	600	155.0	171.0	1	1.0	140.0	2.6	226.8	-55~+175	100	SMB
SMBJ150AQ	SMBJ150CAQ	600	167.0	185.0	1	1.0	150.0	2.5	243.0	-55~+175	100	SMB
SMBJ160AQ	SMBJ160CAQ	600	178.0	197.0	1	1.0	160.0	2.3	259.0	-55~+175	100	SMB
SMBJ170AQ	SMBJ170CAQ	600	189.0	209.0	1	1.0	170.0	2.2	275.0	-55~+175	100	SMB
SMBJ180AQ	SMBJ180CAQ	600	200.0	220.0	1	1.0	180.0	2.1	291.6	-55~+175	100	SMB



SMB

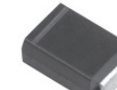
TVS二极管

TRANSISTENT VOLTAGE SUPPRESSOR DIODE

型号 TYPE NO. Part Number		最大功耗 Peak Power Dissipation	击穿电压 Breakdown Voltage @IT VBR(V)		最大反向漏电流 Maximum Reverse Leakage IR@VRWM	峰值工作 反向电压 Stand-off Voltage	最大脉冲 峰值电流 Peak Pulse Current	最大箝位电压 Maximum Clamping Voltage VC@IPP	工作温度范围 Operation Temp.Range	正向浪 涌电流 IFSM	封装 Package	
(Uni)	(Bi)	V _{RM} (V)	Min.(V)	Max.(V)	IT(mA)	(μ A)	V _{RWM} (V)	IPP(A)	(V)	T _J (C)	(A)	
SMBJ190AQ	SMBJ190CAQ	600	211.0	232.0	1	1.0	190.0	1.9	307.8	-55~+175	100	SMB
P6SMB6.8AQ	P6SMB6.8CAQ	600	6.46	7.14	10	1000	5.8	57.14	10.5	-55~+175	40	SMB
P6SMB7.5AQ	P6SMB7.5CAQ	600	7.13	7.88	10	500	6.4	53.10	11.3	-55~+175	40	SMB
P6SMB8.2AQ	P6SMB8.2CAQ	600	7.79	8.61	10	200	7.0	49.59	12.1	-55~+175	40	SMB
P6SMB9.1AQ	P6SMB9.1CAQ	600	8.65	9.56	1	50	7.8	44.78	13.4	-55~+175	40	SMB
P6SMB11AQ	P6SMB11CAQ	600	9.50	10.50	1	10	8.6	41.38	14.5	-55~+175	40	SMB
P6SMB10AQ	P6SMB10CAQ	600	10.45	11.55	1	5	9.4	38.46	15.6	-55~+175	40	SMB
P6SMB12AQ	P6SMB12CAQ	600	11.4	12.6	1	1.0	10.2	35.9	16.7	-55~+175	100	SMB
P6SMB13AQ	P6SMB13CAQ	600	12.35	13.65	1	1.0	11.1	33.0	18.2	-55~+175	100	SMB
P6SMB15AQ	P6SMB15CAQ	600	14.25	15.75	1	1.0	12.8	28.3	21.2	-55~+175	100	SMB
P6SMB16AQ	P6SMB16CAQ	600	15.2	16.8	1	1.0	13.6	26.7	22.5	-55~+175	100	SMB
P6SMB18AQ	P6SMB18CAQ	600	17.1	18.9	1	1.0	15.3	23.8	25.2	-55~+175	100	SMB
P6SMB20AQ	P6SMB20CAQ	600	19	21	1	1.0	17.1	21.7	27.7	-55~+175	100	SMB
P6SMB22AQ	P6SMB22CAQ	600	20.9	23.1	1	1.0	18.8	19.6	30.6	-55~+175	100	SMB
P6SMB24AQ	P6SMB24CAQ	600	22.8	25.2	1	1.0	20.5	18.1	33.2	-55~+175	100	SMB
P6SMB27AQ	P6SMB27CAQ	600	25.65	28.35	1	1.0	23.1	16.0	37.5	-55~+175	100	SMB
P6SMB30AQ	P6SMB30CAQ	600	28.5	31.5	1	1.0	25.6	14.5	41.4	-55~+175	100	SMB
P6SMB33AQ	P6SMB33CAQ	600	31.35	34.65	1	1.0	28.2	13.1	45.7	-55~+175	100	SMB
P6SMB36AQ	P6SMB36CAQ	600	34.2	37.8	1	1.0	30.8	12.0	49.9	-55~+175	100	SMB
P6SMB39AQ	P6SMB39CAQ	600	37.05	40.95	1	1.0	33.3	11.1	53.9	-55~+175	100	SMB
P6SMB43AQ	P6SMB43CAQ	600	40.85	45.15	1	1.0	36.8	10.1	59.3	-55~+175	100	SMB
P6SMB47AQ	P6SMB47CAQ	600	44.65	49.35	1	1.0	40.2	9.3	64.8	-55~+175	100	SMB
P6SMB51AQ	P6SMB51CAQ	600	48.45	53.55	1	1.0	43.6	8.6	70.1	-55~+175	100	SMB
P6SMB56AQ	P6SMB56CAQ	600	53.2	58.8	1	1.0	47.8	7.8	77	-55~+175	100	SMB
P6SMB62AQ	P6SMB62CAQ	600	58.9	65.1	1	1.0	53	7.1	85	-55~+175	100	SMB
P6SMB68AQ	P6SMB68CAQ	600	64.6	71.4	1	1.0	58.1	6.5	92	-55~+175	100	SMB
P6SMB75AQ	P6SMB75CAQ	600	71.25	78.75	1	1.0	64.1	5.8	103	-55~+175	100	SMB
P6SMB82AQ	P6SMB82CAQ	600	77.9	86.1	1	1.0	70.1	5.3	113	-55~+175	100	SMB
P6SMB91AQ	P6SMB91CAQ	600	86.45	95.35	1	1.0	77.8	4.8	125	-55~+175	100	SMB
P6SMB100AQ	P6SMB100CAQ	600	95	105	1	1.0	85.5	4.4	137	-55~+175	100	SMB
P6SMB110AQ	P6SMB110CAQ	600	104.5	115.5	1	1.0	94	4.0	152	-55~+175	100	SMB
P6SMB120AQ	P6SMB120CAQ	600	114	126	1	1.0	102	3.6	165	-55~+175	100	SMB
P6SMB130AQ	P6SMB130CAQ	600	123.5	136.5	1	1.0	111	3.4	179	-55~+175	100	SMB
P6SMB150AQ	P6SMB150CAQ	600	142.5	157.5	1	1.0	128	2.9	207	-55~+175	100	SMB
P6SMB160AQ	P6SMB160CAQ	600	152	168	1	1.0	136	2.7	219	-55~+175	100	SMB
P6SMB170AQ	P6SMB170CAQ	600	161.5	178.5	1	1.0	145	2.6	234	-55~+175	100	SMB
P6SMB180AQ	P6SMB180CAQ	600	171	189	1	1.0	154	2.4	246	-55~+175	100	SMB
P6SMB200AQ	P6SMB200CAQ	600	190	210	1	1.0	171	2.2	274	-55~+175	100	SMB
P6SMB220AQ	P6SMB220CAQ	600	209	231	1	1.0	185	1.8	328	-55~+175	100	SMB
SMCJ5.0AQ	SMCJ5.0CAQ	1500	6.4	7.07	10	1000	5.0	163.0	9.2	-55~+175	200	SMC
SMCJ6.0AQ	SMCJ6.0CAQ	1500	6.67	7.37	10	1000	6.0	145.6	10.3	-55~+175	200	SMC
SMCJ6.5AQ	SMCJ6.5CAQ	1500	7.22	7.98	10	500	6.5	133.9	11.2	-55~+175	200	SMC
SMCJ7.0AQ	SMCJ7.0CAQ	1500	7.78	8.6	10	200	7.0	125	12	-55~+175	200	SMC
SMCJ7.5AQ	SMCJ7.5CAQ	1500	8.33	9.21	1	100	7.5	116.3	12.9	-55~+175	200	SMC



SMB



SMC

TVS二极管 TRANSISTENT VOLTAGE SUPPRESSOR DIODE

型号 TYPE NO.		最大功耗 Peak Power Dissipation	击穿电压 Breakdown Voltage @IT VBR(V)			最大反向漏电流 Maximum Reverse Leakage IR@VRWM (μA)	峰值工 反向电 压 Stand-off Voltage VRWM(V)	最大脉冲 峰值电 流 Peak Pulse Current IPP(A)	最大箝位电压 Maximum Clamping Voltage VC@IPP (V)	工作温度范围 Operation Temp.Range (°C)	正向浪 涌电流 IFSM (A)	封装 Package
Part Number	Part Number		Min.(V)	Max.(V)	IT(mA)							
SMCJ8.0AQ	SMCJ8.0CAQ	1500	8.89	9.83	1	50	8.0	110.3	13.6	-55~+175	200	SMC
SMCJ8.5AQ	SMCJ8.5CAQ	1500	9.44	10.4	1	20	8.5	104.2	14.4	-55~+175	200	SMC
SMCJ9.0AQ	SMCJ9.0CAQ	1500	10	11.1	1	10	9.0	97.4	15.4	-55~+175	200	SMC
SMCJ10AQ	SMCJ10CAQ	1500	11.1	12.3	1	5.0	10.0	88.2	17.0	-55~+175	200	SMC
SMCJ11AQ	SMCJ11CAQ	1500	12.2	13.5	1	5.0	11.0	82.4	18.2	-55~+175	200	SMC
SMCJ12AQ	SMCJ12CAQ	1500	13.3	14.7	1	5.0	12.0	75.4	19.9	-55~+175	200	SMC
SMCJ13AQ	SMCJ13CAQ	1500	14.4	15.9	1	1.0	13.0	69.8	21.5	-55~+175	200	SMC
SMCJ14AQ	SMCJ14CAQ	1500	15.6	17.2	1	1.0	14.0	64.7	23.2	-55~+175	200	SMC
SMCJ15AQ	SMCJ15CAQ	1500	16.7	18.5	1	1.0	15.0	61.5	24.4	-55~+175	200	SMC
SMCJ16AQ	SMCJ16CAQ	1500	17.8	19.7	1	1.0	16.0	57.7	26.0	-55~+175	200	SMC
SMCJ17AQ	SMCJ17CAQ	1500	18.9	20.9	1	1.0	17.0	54.4	27.6	-55~+175	200	SMC
SMCJ18AQ	SMCJ18CAQ	1500	20.0	22.1	1	1.0	18.0	51.4	29.2	-55~+175	200	SMC
SMCJ19AQ	SMCJ19CAQ	1500	21.1	23.3	1	1.0	19.0	48.7	30.8	-55~+175	200	SMC
SMCJ20AQ	SMCJ20CAQ	1500	22.2	24.5	1	1.0	20.0	46.3	32.4	-55~+175	200	SMC
SMCJ22AQ	SMCJ22CAQ	1500	24.4	26.9	1	1.0	22.0	42.3	35.5	-55~+175	200	SMC
SMCJ24AQ	SMCJ24CAQ	1500	26.7	29.5	1	1.0	24.0	38.6	38.9	-55~+175	200	SMC
SMCJ26AQ	SMCJ26CAQ	1500	28.9	31.9	1	1.0	26.0	35.6	42.1	-55~+175	200	SMC
SMCJ28AQ	SMCJ28CAQ	1500	31.1	34.4	1	1.0	28.0	33.0	45.4	-55~+175	200	SMC
SMCJ30AQ	SMCJ30CAQ	1500	33.3	36.8	1	1.0	30.0	31.0	48.4	-55~+175	200	SMC
SMCJ33AQ	SMCJ33CAQ	1500	36.7	40.6	1	1.0	33.0	28.1	53.3	-55~+175	200	SMC
SMCJ36AQ	SMCJ36CAQ	1500	40.0	44.2	1	1.0	36.0	25.8	58.1	-55~+175	200	SMC
SMCJ40AQ	SMCJ40CAQ	1500	44.4	49.1	1	1.0	40.0	23.3	64.5	-55~+175	200	SMC
SMCJ43AQ	SMCJ43CAQ	1500	47.8	52.8	1	1.0	43.0	21.6	69.4	-55~+175	200	SMC
SMCJ45AQ	SMCJ45CAQ	1500	50.0	55.3	1	1.0	45.0	20.6	72.7	-55~+175	200	SMC
SMCJ48AQ	SMCJ48CAQ	1500	53.3	58.9	1	1.0	48.0	19.4	77.4	-55~+175	200	SMC
SMCJ51AQ	SMCJ51CAQ	1500	56.7	62.7	1	1.0	51	18.2	82.4	-55~+175	200	SMC
SMCJ54AQ	SMCJ54CAQ	1500	60	66.3	1	1.0	54	17.2	87.1	-55~+175	200	SMC
SMCJ58AQ	SMCJ58CAQ	1500	64.4	71.2	1	1.0	58	16.0	93.6	-55~+175	200	SMC
SMCJ60AQ	SMCJ60CAQ	1500	66.7	73.7	1	1.0	60	15.5	96.8	-55~+175	200	SMC
SMCJ64AQ	SMCJ64CAQ	1500	71.1	78.6	1	1.0	64	14.6	103	-55~+175	200	SMC
SMCJ70AQ	SMCJ70CAQ	1500	77.8	86	1	1.0	70	13.3	113	-55~+175	200	SMC
SMCJ75AQ	SMCJ75CAQ	1500	83.3	92.1	1	1.0	75	12.4	121	-55~+175	200	SMC
SMCJ78AQ	SMCJ78CAQ	1500	86.7	95.8	1	1.0	78	11.9	126	-55~+175	200	SMC
SMCJ80AQ	SMCJ80CAQ	1500	88.8	97.6	1	1.0	80	11.6	129.6	-55~+175	200	SMC
SMCJ85AQ	SMCJ85CAQ	1500	94.4	104	1	1.0	85	10.9	137	-55~+175	200	SMC
SMCJ90AQ	SMCJ90CAQ	1500	100	111	1	1.0	90	10.3	146	-55~+175	200	SMC
SMCJ100AQ	SMCJ100CAQ	1500	111	123	1	1.0	100	9.3	162	-55~+175	200	SMC
SMCJ110AQ	SMCJ110CAQ	1500	122	135	1	1.0	110	8.5	177	-55~+175	200	SMC
SMCJ120AQ	SMCJ120CAQ	1500	133	147	1	1.0	120	7.8	193	-55~+175	200	SMC
SMCJ130AQ	SMCJ130CAQ	1500	144	159	1	1.0	130	7.2	209	-55~+175	200	SMC
SMCJ140AQ	SMCJ140CAQ	1500	155	171	1	1.0	140	6.6	226.8	-55~+175	200	SMC
SMCJ150AQ	SMCJ150CAQ	1500	167	185	1	1.0	150	6.2	243	-55~+175	200	SMC
SMCJ160AQ	SMCJ160CAQ	1500	178	197	1	1.0	160	5.8	259	-55~+175	200	SMC
SMCJ170AQ	SMCJ170CAQ	1500	189	209	1	1.0	170	5.5	275	-55~+175	200	SMC



SMC

TVS二极管 TRANSISTENT VOLTAGE SUPPRESSOR DIODE

型号 TYPE NO.		最大功耗 Peak Power Dissipation	击穿电压 Breakdown Voltage @IT VBR(V)			最大反向漏电流 Maximum Reverse Leakage IR@VRWM (μA)	峰值工 反向电 压 Stand-off Voltage VRWM(V)	最大脉冲 峰值电 流 Peak Pulse Current IPP(A)	最大箝位电压 Maximum Clamping Voltage VC@IPP (V)	工作温度范围 Operation Temp.Range (°C)	正向浪 涌电流 IFSM (A)	封装 Package
Part Number	Part Number		Min.(V)	Max.(V)	IT(mA)							
SMCJ180AQ	SMCJ180CAQ	1500	200	220	1	1.0	180	5.1	291.6	-55~+175	200	SMC
SMCJ190AQ	SMCJ190CAQ	1500	211	232	1	1.0	190	4.9	307.8	-55~+175	200	SMC
1.5SMC6.8AQ	1.5SMC6.8CAQ	1500	6.46	7.14	10	1000	5.8	142.9	10.5	-55~+175	200	SMC
1.5SMC7.5AQ	1.5SMC7.5CAQ	1500	7.13	7.88	10	500	6.4	132.7	11.3	-55~+175	200	SMC
1.5SMC8.2AQ	1.5SMC8.2CAQ	1500	7.79	8.61	10	200	7.0	124.9	12.1	-55~+175	200	SMC
1.5SMC9.1AQ	1.5SMC9.1CAQ	1500	8.65	9.56	1	50	7.8	111.9	13.4	-55~+175	200	SMC
1.5SMC10AQ	1.5SMC10CAQ	1500	9.50	10.50	1	10	8.6	103.5	14.5	-55~+175	200	SMC
1.5SMC11AQ	1.5SMC11CAQ	1500	10.45	11.55	1	5	9.4	96.2	15.6	-55~+175	200	SMC
1.5SMC12AQ	1.5SMC12CAQ	1500	11.4	12.6	1	1.0	10.2	89.8	16.7	-55~+175	200	SMC
1.5SMC13AQ	1.5SMC13CAQ	1500	12.35	13.65	1	1.0	11.1	82.4	18.2	-55~+175	200	SMC
1.5SMC15AQ	1.5SMC15CAQ	1500	14.25	15.75	1	1.0	12.8	70.8	21.2	-55~+175	200	SMC
1.5SMC16AQ	1.5SMC16CAQ	1500	15.2	16.8	1	1.0	13.6	66.7	22.5	-55~+175	200	SMC
1.5SMC18AQ	1.5SMC18CAQ	1500	17.1	18.9	1	1.0	15.3	59.5	25.2	-55~+175	200	SMC
1.5SMC20AQ	1.5SMC20CAQ	1500	19	21	1	1.0	17.1	54.2	27.7	-55~+175	200	SMC
1.5SMC22AQ	1.5SMC22CAQ	1500	20.9	23.1	1	1.0	18.8	49.0	30.6	-55~+175	200	SMC
1.5SMC24AQ	1.5SMC24CAQ	1500	22.8	25.2	1	1.0	20.5	45.2	33.2	-55~+175	200	SMC
1.5SMC27AQ	1.5SMC27CAQ	1500	25.65	28.35	1	1.0	23.1	40.0	37.5	-55~+175	200	SMC
1.5SMC30AQ	1.5SMC30CAQ	1500	28.5	31.5	1	1.0	25.6	36.2	41.4	-55~+175	200	SMC
1.5SMC33AQ	1.5SMC33CAQ	1500	31.35	34.65	1	1.0	28.2	32.8	45.7	-55~+175	200	SMC
1.5SMC36AQ	1.5SMC36CAQ	1500	34.2	37.8	1	1.0	30.8	30.1	50	-55~+175	200	SMC
1.5SMC39AQ	1.5SMC39CAQ	1500	37.05	40.95	1	1.0	33.3	27.8	53.9	-55~+175	200	SMC
1.5SMC43AQ	1.5SMC43CAQ	1500	40.85	45.15	1	1.0	36.8	25.3	59.3	-55~+175	200	SMC
1.5SMC47AQ	1.5SMC47CAQ	1500	44.65	49.35	1	1.0	40.2	23.2	64.8	-55~+175	200	SMC
1.5SMC51AQ	1.5SMC51CAQ	1500	48.45	53.55	1	1.0	43.6	21.4	70.1	-55~+175	200	SMC
1.5SMC56AQ	1.5SMC56CAQ	1500	53.20	58.80	1	1.0	47.8	19.5	77.0	-55~+175	200	SMC
1.5SMC62AQ	1.5SMC62CAQ	1500	58.90	65.10	1	1.0	53.0	17.7	85.0	-55~+175	200	SMC
1.5SMC68AQ	1.5SMC68CAQ	1500	64.60	71.40	1	1.0	58.1	16.3	92.0	-55~+175	200	SMC
1.5SMC75AQ	1.5SMC75CAQ	1500	71.25	78.75	1	1.0	64.1	14.6	103.0	-55~+175	200	SMC
1.5SMC82AQ	1.5SMC82CAQ	1500	77.90	86.10	1	1.0	70.1	13.3	113.0	-55~+175	200	SMC
1.5SMC91AQ	1.5SMC91CAQ	1500	86.45	95.35	1	1.0	77.8	12.0	125.0	-55~+175	200	SMC
1.5SMC100AQ	1.5SMC100CAQ	1500	95.00	105.00	1	1.0	85.5	11.0	137.0	-55~+175	200	SMC
1.5SMC110AQ	1.5SMC110CAQ	1500	104.50	115.50	1	1.0	94.0	9.9	152.0	-55~+175	200	SMC
1.5SMC120AQ	1.5SMC120CAQ	1500	114.00	126.00	1	1.0	102.0	9.1	165.0	-55~+175	200	SMC
1.5SMC130AQ	1.5SMC130CAQ	1500	123.50	136.50	1	1.0	111.0	8.4	179.0	-55~+175	200	SMC
1.5SMC150AQ	1.5SMC150CAQ	1500	142.50	157.50	1	1.0	128.0	7.3	207.0	-55~+175	200	SMC
1.5SMC160AQ	1.5SMC160CAQ	1500	152.00	168.00	1	1.0	136.0	6.9	219.0	-55~+175	200	SMC
1.5SMC170AQ	1.5SMC170CAQ	1500	161.50	178.50	1	1.0	145.0	6.4	234.0	-55~+175	200	SMC
1.5SMC180AQ	1.5SMC180CAQ	1500	171.00	189.00	1	1.0	154.0	6.1	246.0	-55~+175	200	SMC
1.5SMC200AQ	1.5SMC200CAQ	1500	190.00	210.00	1	1.0	171.0	5.5	274.0	-55~+175	200	SMC
1.5SMC220AQ	1.5SMC220CAQ	1500	209.00	231.00	1	1.0	185.0	4.6	328.0	-55~+175	200	SMC
SMDJ5.0AQ	SMDJ5.0CAQ	3000	6.4	7.07	10	1000	5	326.09	9.2	-55~+175	300	SMC
SMDJ6.0AQ	SMDJ6.0CAQ	3000	6.67	7.37	10	1000	6	291.26	10.3	-55~+175	300	SMC
SMDJ6.5AQ	SMDJ6.5CAQ	3000	7.22	7.98	10	500	6.5	267.86	11.2	-55~+175	300	SMC
SMDJ7.0AQ	SMDJ7.0CAQ	3000	7.78	8.6	10	200	7	250	12	-55~+175	300	SMC



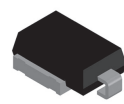
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TVS二极管 TRANSISTENT VOLTAGE SUPPRESSOR DIODE

型号 TYPE NO.		最大功耗 Peak Power Dissipation	击穿电压 Breakdown Voltage @IT VBR(V)			最大反向漏电流 Maximum Reverse Leakage IR@VRWM (μ A)	峰值工作 反向电压 Stand-off Voltage VRWM(V)	最大脉冲 峰值电流 IPP(A)	最大箝位电压 Maximun Clamping Voltage VC@IPP (V)	工作温度范围 Operation Temp.Range Tj (C)	正向浪 涌电流 IFSM (A)	封装 Package
Part Number	Part Number		Min.(V)	Max.(V)	IT(mA)							
SMDJ7.5AQ	SMDJ7.5CAQ	3000	8.33	9.21	1	100	7.5	232.56	12.9	-55~+175	300	SMC
SMDJ8.0AQ	SMDJ8.0CAQ	3000	8.89	9.83	1	50	8	220.59	13.6	-55~+175	300	SMC
SMDJ8.5AQ	SMDJ8.5CAQ	3000	9.44	10.4	1	25	8.5	208.33	14.4	-55~+175	300	SMC
SMDJ9.0AQ	SMDJ9.0CAQ	3000	10	11.1	1	10	9	194.81	15.4	-55~+175	300	SMC
SMDJ10AQ	SMDJ10CAQ	3000	11.1	12.3	1	1.0	10	176.47	17	-55~+175	300	SMC
SMDJ11AQ	SMDJ11CAQ	3000	12.2	13.5	1	1.0	11	164.84	18.2	-55~+175	300	SMC
SMDJ12AQ	SMDJ12CAQ	3000	13.3	14.7	1	1.0	12	150.8	19.9	-55~+175	300	SMC
SMDJ13AQ	SMDJ13CAQ	3000	14.4	15.9	1	1.0	13	139.5	21.5	-55~+175	300	SMC
SMDJ14AQ	SMDJ14CAQ	3000	15.6	17.2	1	1.0	14	129.3	23.2	-55~+175	300	SMC
SMDJ15AQ	SMDJ15CAQ	3000	16.7	18.5	1	1.0	15	123.0	24.4	-55~+175	300	SMC
SMDJ16AQ	SMDJ16CAQ	3000	17.8	19.7	1	1.0	16	115.4	26	-55~+175	300	SMC
SMDJ17AQ	SMDJ17CAQ	3000	18.9	20.9	1	1.0	17	108.7	27.6	-55~+175	300	SMC
SMDJ18AQ	SMDJ18CAQ	3000	20	22.1	1	1.0	18	102.7	29.2	-55~+175	300	SMC
SMDJ19AQ	SMDJ19CAQ	3000	21.1	23.3	1	1.0	19	97.5	30.8	-55~+175	300	SMC
SMDJ20AQ	SMDJ20CAQ	3000	22.2	24.5	1	1.0	20	92.6	32.4	-55~+175	300	SMC
SMDJ22AQ	SMDJ22CAQ	3000	24.4	26.9	1	1.0	22	84.5	35.5	-55~+175	300	SMC
SMDJ24AQ	SMDJ24CAQ	3000	26.7	29.5	1	1.0	24	77.1	38.9	-55~+175	300	SMC
SMDJ26AQ	SMDJ26CAQ	3000	28.9	31.9	1	1.0	26	71.3	42.1	-55~+175	300	SMC
SMDJ28AQ	SMDJ28CAQ	3000	31.1	34.4	1	1.0	28	66.1	45.4	-55~+175	300	SMC
SMDJ30AQ	SMDJ30CAQ	3000	33.3	36.8	1	1.0	30	62.0	48.4	-55~+175	300	SMC
SMDJ33AQ	SMDJ33CAQ	3000	36.7	40.6	1	1.0	33	56.3	53.3	-55~+175	300	SMC
SMDJ36AQ	SMDJ36CAQ	3000	40	44.2	1	1.0	36	51.6	58.1	-55~+175	300	SMC
SMDJ40AQ	SMDJ40CAQ	3000	44.4	49.1	1	1.0	40	46.5	64.5	-55~+175	300	SMC
SMDJ43AQ	SMDJ43CAQ	3000	47.8	52.8	1	1.0	43	43.2	69.4	-55~+175	300	SMC
SMDJ45AQ	SMDJ45CAQ	3000	50	55.3	1	1.0	45	41.3	72.7	-55~+175	300	SMC
SMDJ48AQ	SMDJ48CAQ	3000	53.3	58.9	1	1.0	48	38.8	77.4	-55~+175	300	SMC
SM5S10AQ	SM5S10CAQ	3600	11.1	12.3	5	15	10	212.0	17	-55~+175	500	DO-218AB
SM5S11AQ	SM5S11CAQ	3600	12.2	13.5	5	10	11	198.0	18.2	-55~+175	500	DO-218AB
SM5S12AQ	SM5S12CAQ	3600	13.3	14.7	5	10	12	181.0	19.9	-55~+175	500	DO-218AB
SM5S13AQ	SM5S13CAQ	3600	14.4	15.9	5	10	13	167.0	21.5	-55~+175	500	DO-218AB
SM5S14AQ	SM5S14CAQ	3600	15.6	17.2	5	10	14	155.0	23.2	-55~+175	500	DO-218AB
SM5S15AQ	SM5S15CAQ	3600	16.7	18.5	5	10	15	148.0	24.4	-55~+175	500	DO-218AB
SM5S16AQ	SM5S16CAQ	3600	17.8	19.7	5	10	16	138.0	26	-55~+175	500	DO-218AB
SM5S17AQ	SM5S17CAQ	3600	18.9	20.9	5	10	17	130.0	27.6	-55~+175	500	DO-218AB
SM5S18AQ	SM5S18CAQ	3600	20	22.1	5	10	18	123.0	29.2	-55~+175	500	DO-218AB
SM5S20AQ	SM5S20CAQ	3600	22.2	24.5	5	10	20	111.0	32.4	-55~+175	500	DO-218AB
SM5S22AQ	SM5S22CAQ	3600	24.4	26.9	5	10	22	101.0	35.5	-55~+175	500	DO-218AB
SM5S24AQ	SM5S24CAQ	3600	26.7	29.5	5	10	24	93.0	38.9	-55~+175	500	DO-218AB
SM5S26AQ	SM5S26CAQ	3600	28.9	31.9	5	10	26	86.0	42.1	-55~+175	500	DO-218AB
SM5S28AQ	SM5S28CAQ	3600	31.1	34.4	5	10	28	79.0	45.4	-55~+175	500	DO-218AB
SM5S30AQ	SM5S30CAQ	3600	33.3	36.8	5	10	30	74.0	48.4	-55~+175	500	DO-218AB
SM5S33AQ	SM5S33CAQ	3600	36.7	40.6	5	10	33	68.0	53.3	-55~+175	500	DO-218AB
SM5S36AQ	SM5S36CAQ	3600	40	44.2	5	10	36	62.0	58.1	-55~+175	500	DO-218AB
SM5S40AQ	SM5S40CAQ	3600	44.4	49.1	5	10	40	56.0	64.5	-55~+175	500	DO-218AB



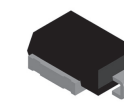
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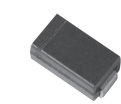
DO-218AB

TVS二极管 TRANSISTENT VOLTAGE SUPPRESSOR DIODE

型号 TYPE NO.		最大功耗 Peak Power Dissipation	击穿电压 Breakdown Voltage @IT VBR(V)			最大反向漏电流 Maximum Reverse Leakage IR@VRWM (μ A)	峰值工作 反向电压 Stand-off Voltage VRWM(V)	最大脉冲 峰值电流 IPP(A)	最大箝位电压 Maximun Clamping Voltage VC@IPP (V)	工作温度范围 Operation Temp.Range Tj (C)	正向浪 涌电流 IFSM (A)	封装 Package
Part Number	Part Number		Min.(V)	Max.(V)	IT(mA)							
SM5S43AQ	SM5S43CAQ	3600	47.8	52.8	5	10	43	52.0	69.4	-55~+175	500	DO-218AB
SM8S10AQ	/	6600	11.1	12.3	5	15	10	388.0	17.0	-55~+175	700	DO-218AB
SM8S11AQ	/	6600	12.2	13.5	5	10	11	363.0	18.2	-55~+175	700	DO-218AB
SM8S12AQ	/	6600	13.3	14.7	5	10	12	332.0	19.9	-55~+175	700	DO-218AB
SM8S13AQ	/	6600	14.4	15.9	5	10	13	307.0	21.5	-55~+175	700	DO-218AB
SM8S14AQ	SM8S14CAQ	6600	15.6	17.2	5	10	14	284.0	23.2	-55~+175	700	DO-218AB
SM8S15AQ	SM8S15CAQ	6600	16.7	18.5	5	10	15	270.0	24.4	-55~+175	700	DO-218AB
SM8S16AQ	SM8S16CAQ	6600	17.8	19.7	5	10	16	254.0	26.0	-55~+175	700	DO-218AB
SM8S17AQ	SM8S17CAQ	6600	18.9	20.9	5	10	17	239.0	27.6	-55~+175	700	DO-218AB
SM8S18AQ	SM8S18CAQ	6600	20	22.1	5	10	18	226.0	29.2	-55~+175	700	DO-218AB
SM8S20AQ	SM8S20CAQ	6600	22.2	24.5	5	10	20	204.0	32.4	-55~+175	700	DO-218AB
SM8S22AQ	SM8S22CAQ	6600	24.4	26.9	5	10	22	186.0	35.5	-55~+175	700	DO-218AB
SM8S24AQ	SM8S24CAQ	6600	26.7	29.5	5	10	24	170.0	38.9	-55~+175	700	DO-218AB
SM8S26AQ	SM8S26CAQ	6600	28.9	31.9	5	10	26	157.0	42.1	-55~+175	700	DO-218AB
SM8S28AQ	SM8S28CAQ	6600	31.1	34.4	5	10	28	145.0	45.4	-55~+175	700	DO-218AB
SM8S30AQ	SM8S30CAQ	6600	33.3	36.8	5	10	30	136.0	48.4	-55~+175	700	DO-218AB
SM8S33AQ	SM8S33CAQ	6600	36.7	40.6	5	10	33	124.0	53.3	-55~+175	700	DO-218AB
SM8S36AQ	SM8S36CAQ	6600	40	44.2	5	10	36	114.0	58.1	-55~+175	700	DO-218AB
SM8S40AQ	SM8S40CAQ	6600	44.4	49.1	5	10	40	102.0	64.5	-55~+175	700	DO-218AB
SM8S43AQ	SM8S43CAQ	6600	47.8	52.8	5	10	43	95.1	69.4	-55~+175	700	DO-218AB
SMA6J10AQ	SMA6J10CAQ	600	11.1	12.3	1	5	10	35.3	17	-55~+175	60	SMA
SMA6J11AQ	SMA6J11CAQ	600	12.2	13.5	1	1	11	33.0	18.2	-55~+175	60	SMA
SMA6J12AQ	SMA6J12CAQ	600	13.3	14.7	1	1	12	30.2	19.9	-55~+175	60	SMA
SMA6J13AQ	SMA6J13CAQ	600	14.4	15.9	1	1	13	28.0	21.5	-55~+175	60	SMA
SMA6J14AQ	SMA6J14CAQ	600	15.6	17.2	1	1	14	25.9	23.2	-55~+175	60	SMA
SMA6J15AQ	SMA6J15CAQ	600	16.7	18.5	1	1	15	24.6	24.4	-55~+175	60	SMA
SMA6J16AQ	SMA6J16CAQ	600	17.8	19.7	1	1	16	23.1	26	-55~+175	60	SMA
SMA6J17AQ	SMA6J17CAQ	600	18.9	20.9	1	1	17	21.8	27.6	-55~+175	60	SMA
SMA6J18AQ	SMA6J18CAQ	600	20	22.1	1	1	18	20.6	29.2	-55~+175	60	SMA
SMA6J20AQ	SMA6J20CAQ	600	22.2	24.5	1	1	20	18.6	32.4	-55~+175	60	SMA
SMA6J22AQ	/	600	24.4	26.9	1	1	22	16.9	35.5	-55~+175	60	SMA
SMA6J24AQ	/	600	26.7	29.5	1	1	24	15.5	38.9	-55~+175	60	SMA
SMA6J26AQ	/	600	28.9	31.9	1	1	26	14.3	42.1	-55~+175	60	SMA
SMA6J28AQ	/	600	31.1	34.4	1	1	28	13.3	45.4	-55~+175	60	SMA
SMA6J30AQ	/	600	33.3	36.8	1	1	30	12.4	48.4	-55~+175	60	SMA
SMA6J33AQ	/	600	36.7	40.6	1	1	33	11.3	53.3	-55~+175	60	SMA
SMA6J36AQ	/	600	40	44.2	1	1	36	10.4	58.1	-55~+175	60	SMA
SMA6J40AQ	/	600	44.4	49.1	1	1	40	9.3	64.5	-55~+175	60	SMA
SMA6J43AQ	/	600	47.8	52.8	1	1	43	8.7	69.4	-55~+175	60	SMA
SMA6J45AQ	/	600	50	55.3	1	1	45	8.3	72.7	-55~+175	60	SMA
SMA6J48AQ	/	600	53.3	58.9	1	1	48	7.8	77.4	-55~+175	60	SMA
SMA6J51AQ	/	600	56.7	62.7	1	1	51	7.3	82.4	-55~+175	60	SMA
SMA6J54AQ	/	600	60	66.3	1	1	54	6.9	87.1	-55~+175	60	SMA
SMA6J58AQ	/	600	64.4	71.2	1	1	58	6.5	93.6	-55~+175	60	SMA



DO-218AB



SMA

TVS二极管 TRANSISTENT VOLTAGE SUPPRESSOR DIODE

型号 TYPE NO.		最大功耗 Peak Power Dissipation	击穿电压 Breakdown Voltage @IT VBR(V)			最大反向漏电流 Maximum Reverse Leakage IR@VRWM (μ A)	峰值工作 反向电压 Stand-off Voltage VRWM(V)	最大脉冲 峰值电流 Peak Pulse Current IPP(A)	最大箝位电压 Maximum Clamping Voltage VC@IPP (V)	工作温度范围 Operation Temp.Range ($^{\circ}$ C)	正向浪 涌电流 IFSM (A)	封装 Package
Part Number	Part Number		Min.(V)	Max.(V)	IT(mA)							
SMA6J60AQ /	(Bi)	600	66.7	73.7	1	1	60	6.2	96.8	-55~+175	60	SMA
SMA6J64AQ /	(Bi)	600	71.1	78.6	1	1	64	5.9	103	-55~+175	60	SMA
SMA6J70AQ /	(Bi)	600	77.8	86	1	1	70	5.3	113	-55~+175	60	SMA
SMA6J75AQ /	(Bi)	600	83.3	92.1	1	1	75	5.0	121	-55~+175	60	SMA
SMA6J78AQ /	(Bi)	600	86.7	95.8	1	1	78	4.8	126	-55~+175	60	SMA
SMA6J85AQ /	(Bi)	600	94.4	104	1	1	85	4.4	137	-55~+175	60	SMA
SMA6J85AQ /	(Bi)	600	94.40	104.00	1	1	85.0	4.38	137.0	-55~+175	60	SMA
SMA6J90AQ /	(Bi)	600	100.00	111.00	1	1	90.0	4.11	146.0	-55~+175	60	SMA
SMA6J100AQ -	(Bi)	600	111	123	1	1	100	3.7	162	-55~+175	60	SMA
5.0SMDJ5.0AQ 5.0SMDJ5.0CAQ	(Uni)	5000	6.4	7	10	1000	5	543.6	9.2	-55~+175	300	SMC
5.0SMDJ6.0AQ 5.0SMDJ6.0CAQ	(Uni)	5000	6.67	7.37	10	1000	6	485.5	10.3	-55~+175	300	SMC
5.0SMDJ6.5AQ 5.0SMDJ6.5CAQ	(Uni)	5000	7.22	7.98	10	800	6.5	446.5	11.2	-55~+175	300	SMC
5.0SMDJ7.0AQ 5.0SMDJ7.0CAQ	(Uni)	5000	7.78	8.6	10	800	7	416.8	12	-55~+175	300	SMC
5.0SMDJ7.5AQ 5.0SMDJ7.5CAQ	(Uni)	5000	8.33	9.21	5	800	7.5	387.7	12.9	-55~+175	300	SMC
5.0SMDJ8.0AQ 5.0SMDJ8.0CAQ	(Uni)	5000	8.89	9.83	5	800	8	367.7	13.6	-55~+175	300	SMC
5.0SMDJ8.5AQ 5.0SMDJ8.5CAQ	(Uni)	5000	9.44	10.4	5	800	8.5	347.3	14.4	-55~+175	300	SMC
5.0SMDJ9.0AQ 5.0SMDJ9.0CAQ	(Uni)	5000	10	11.1	5	800	9	324.8	15.4	-55~+175	300	SMC
5.0SMDJ10AQ 5.0SMDJ10CAQ	(Uni)	5000	11.1	12.3	5	800	10	294.2	17	-55~+175	300	SMC
5.0SMDJ11AQ 5.0SMDJ11CAQ	(Uni)	5000	12.2	13.5	1	800	11.0	274.7	18.2	-55~+175	300	SMC
5.0SMDJ12AQ 5.0SMDJ12CAQ	(Uni)	5000	13.3	14.7	1	800	12.0	251.3	19.9	-55~+175	300	SMC
5.0SMDJ13AQ 5.0SMDJ13CAQ	(Uni)	5000	14.4	15.9	1	500	13.0	232.6	21.5	-55~+175	300	SMC
5.0SMDJ14AQ 5.0SMDJ14CAQ	(Uni)	5000	15.6	17.2	1	200	14.0	215.5	23.2	-55~+175	300	SMC
5.0SMDJ15AQ 5.0SMDJ15CAQ	(Uni)	5000	16.7	18.5	1	100	15.0	204.9	24.4	-55~+175	300	SMC
5.0SMDJ16AQ 5.0SMDJ16CAQ	(Uni)	5000	17.8	19.7	1	50	16.0	192.3	26	-55~+175	300	SMC
5.0SMDJ17AQ 5.0SMDJ17CAQ	(Uni)	5000	18.9	20.9	1	20	17.0	181.2	27.6	-55~+175	300	SMC
5.0SMDJ18AQ 5.0SMDJ18CAQ	(Uni)	5000	20.0	22.1	1	10	18.0	171.2	29.2	-55~+175	300	SMC
5.0SMDJ19AQ 5.0SMDJ19CAQ	(Uni)	5000	21.1	23.3	1	10	19.0	162.3	30.8	-55~+175	300	SMC
5.0SMDJ20AQ 5.0SMDJ20CAQ	(Uni)	5000	22.2	24.5	1	5	20.0	154.3	32.4	-55~+175	300	SMC
5.0SMDJ22AQ 5.0SMDJ22CAQ	(Uni)	5000	24.4	26.9	1	5	22	140.8	35.5	-55~+175	300	SMC
5.0SMDJ24AQ 5.0SMDJ24CAQ	(Uni)	5000	26.7	29.5	1	5	24	128.5	38.9	-55~+175	300	SMC
5.0SMDJ26AQ 5.0SMDJ26CAQ	(Uni)	5000	28.9	31.9	1	5	26	118.8	42.1	-55~+175	300	SMC
5.0SMDJ28AQ 5.0SMDJ28CAQ	(Uni)	5000	31.1	34.4	1	5	28	110.1	45.4	-55~+175	300	SMC
5.0SMDJ30AQ 5.0SMDJ30CAQ	(Uni)	5000	33.3	36.8	1	5	30	103.3	48.4	-55~+175	300	SMC
5.0SMDJ33AQ 5.0SMDJ33CAQ	(Uni)	5000	36.7	40.6	1	5	33	93.8	53.3	-55~+175	300	SMC
5.0SMDJ36AQ 5.0SMDJ36CAQ	(Uni)	5000	40	44.2	1	5	36	86.1	58.1	-55~+175	300	SMC
5.0SMDJ40AQ 5.0SMDJ40CAQ	(Uni)	5000	44.4	49.1	1	5	40	77.5	64.5	-55~+175	300	SMC
5.0SMDJ43AQ 5.0SMDJ43CAQ	(Uni)	5000	47.8	52.8	1	5	43	72.0	69.4	-55~+175	300	SMC
5.0SMDJ45AQ 5.0SMDJ45CAQ	(Uni)	5000	50	55.3	1	5	45	68.8	72.7	-55~+175	300	SMC
5.0SMDJ48AQ 5.0SMDJ48CAQ	(Uni)	5000	53.3	58.9	1	5	48	64.6	77.4	-55~+175	300	SMC
5.0SMDJ51AQ 5.0SMDJ51CAQ	(Uni)	5000	56.7	62.7	1	5	51	60.7	82.4	-55~+175	300	SMC
5.0SMDJ54AQ 5.0SMDJ54CAQ	(Uni)	5000	60	66.3	1	5	54	57.4	87.1	-55~+175	300	SMC
5.0SMDJ58AQ 5.0SMDJ58CAQ	(Uni)	5000	64.4	71.2	1	5	58	53.4	93.6	-55~+175	300	SMC
5.0SMDJ60AQ 5.0SMDJ60CAQ	(Uni)	5000	66.7	73.7	1	5	60	51.7	96.8	-55~+175	300	SMC
5.0SMDJ64AQ 5.0SMDJ64CAQ	(Uni)	5000	71.1	78.6	1	5	64	48.5	103	-55~+175	300	SMC



SMA



SMC

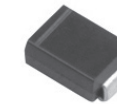
TVS二极管 TRANSISTENT VOLTAGE SUPPRESSOR DIODE

型号 TYPE NO.		最大功耗 Peak Power Dissipation	击穿电压 Breakdown Voltage @IT VBR(V)			最大反向漏电流 Maximum Reverse Leakage IR@VRWM (μ A)	峰值工作 反向电压 Stand-off Voltage VRWM(V)	最大脉冲 峰值电流 Peak Pulse Current IPP(A)	最大箝位电压 Maximum Clamping Voltage VC@IPP (V)	工作温度范围 Operation Temp.Range ($^{\circ}$ C)	正向浪 涌电流 IFSM (A)	封装 Package
Part Number	Part Number		Min.(V)	Max.(V)	IT(mA)							
5.0SMDJ70AQ 5.0SMDJ70CAQ	(Uni)	5000	77.8	86	1	5	70	44.2	113	-55~+175	300	SMC
5.0SMDJ75AQ 5.0SMDJ75CAQ	(Uni)	5000	83.3	92.1	1	5	75	41.3	121	-55~+175	300	SMC
5.0SMDJ78AQ 5.0SMDJ78CAQ	(Uni)	5000	86.7	95.8	1	5	78	39.7	126	-55~+175	300	SMC
5.0SMDJ80AQ 5.0SMDJ80CAQ	(Uni)	5000	88.96	97.6	1	5	80	38.6	129.6	-55~+175	300	SMC
5.0SMDJ85AQ 5.0SMDJ85CAQ	(Uni)	5000	94.4	104	1	5	85	36.5	137	-55~+175	300	SMC

Note:

1.Suffix"A" denotes 5% tolerance device. Without"A" denotes 10% tolerance device

2.Add suffix"C"or"CA" after part number to specify Bi-directional devices



SMC

功率稳压管 POWER ZENER DIODE

型号 TYPE NO.	损耗功率 PD (W)	稳压电压 Nominal Zener Voltage				最大齐纳阻抗 Maximum Zener Impedance			最大反向漏电流 Maximum Reverse Leakage Current		最大齐纳电流 Maximum DC Zener Current	最大正向电压 Maximum VF@IF=200mA	典型热阻 Typical Thermal Resistance	工作温度范围 Operation Temp. Range	封装 Package
		VZmin@IZT	VZyp@IZT	VZmax@IZT	IZT	ZZT@IZT	ZZK@IZK	IZK	IR@VR	Izm		RθJA	Tj		
		(V)	(V)	(V)	(mA)	(Ω)	(Ω)	(mA)	(mA)	(V)	(mA)	(C/W)	(C)		
SMA5921AQ	1.5	6.46	6.8	7.14	55.1	2.5	200	1	10	5.2	221	1.5	120	-55~+150	SMA
SMA5922AQ	1.5	7.125	7.5	7.875	50	3	400	0.5	10	6	200	1.5	120	-55~+150	SMA
SMA5923AQ	1.5	7.79	8.2	8.61	45.7	3.5	400	0.5	10	6.5	183	1.5	120	-55~+150	SMA
SMA5924AQ	1.5	8.645	9.1	9.555	41.2	4	500	0.5	10	7	165	1.5	120	-55~+150	SMA
SMA5925AQ	1.5	9.5	10	10.5	37.5	4.5	500	0.25	10	8	150	1.5	120	-55~+150	SMA
SMA5926AQ	1.5	10.45	11	11.55	34.1	5.5	550	0.25	0.5	8.4	136	1.5	120	-55~+150	SMA
SMA5927AQ	1.5	11.4	12	12.6	31.2	6.5	550	0.25	0.5	9.1	125	1.5	120	-55~+150	SMA
SMA5928AQ	1.5	12.35	13	13.65	28.8	7	550	0.25	0.5	9.9	115	1.5	120	-55~+150	SMA
SMA5929AQ	1.5	14.25	15	15.75	25	9	600	0.25	0.5	11.4	100	1.5	120	-55~+150	SMA
SMA5930AQ	1.5	15.2	16	16.8	23.4	10	600	0.25	0.5	12.2	94	1.5	120	-55~+150	SMA
SMA5931AQ	1.5	17.1	18	18.9	20.8	12	650	0.25	0.5	13.7	83	1.5	120	-55~+150	SMA
SMA5932AQ	1.5	19	20	21	18.7	14	650	0.25	0.5	15.2	75	1.5	120	-55~+150	SMA
SMA5933AQ	1.5	20.9	22	23.1	17	17.5	650	0.25	0.5	16.7	68	1.5	120	-55~+150	SMA
SMA5934AQ	1.5	22.8	24	25.2	15.6	19	700	0.25	0.5	18.2	63	1.5	120	-55~+150	SMA
SMA5935AQ	1.5	25.65	27	28.35	13.9	23	700	0.25	0.5	20.6	56	1.5	120	-55~+150	SMA
SMA5936AQ	1.5	28.5	30	31.5	12.5	26	750	0.25	0.5	22.8	50	1.5	120	-55~+150	SMA
SMA5937AQ	1.5	31.35	33	34.65	11.4	33	800	0.25	0.5	25.1	45	1.5	120	-55~+150	SMA
SMA5938AQ	1.5	34.2	36	37.8	10.4	38	850	0.25	0.5	27.4	42	1.5	120	-55~+150	SMA
SMA5939AQ	1.5	37.05	39	40.95	9.6	45	900	0.25	0.5	29.7	38	1.5	120	-55~+150	SMA
SMA5940AQ	1.5	40.85	43	45.15	8.7	53	950	0.25	0.5	32.7	35	1.5	120	-55~+150	SMA
SMA5941AQ	1.5	44.65	47	49.35	8	67	1000	0.25	0.5	35.8	32	1.5	120	-55~+150	SMA
SMA5942AQ	1.5	48.45	51	53.55	7.3	70	1100	0.25	0.5	38.8	29	1.5	120	-55~+150	SMA
SMA5943AQ	1.5	53.2	56	58.8	6.7	86	1300	0.25	0.5	42.6	27	1.5	120	-55~+150	SMA
SMA5944AQ	1.5	58.9	62	65.1	6	100	1500	0.25	0.5	47.1	24	1.5	120	-55~+150	SMA
SMA5945AQ	1.5	64.6	68	71.4	5.5	120	1700	0.25	0.5	51.7	22	1.5	120	-55~+150	SMA
SMA5946AQ	1.5	71.25	75	78.75	5	140	2000	0.25	0.5	56	20	1.5	120	-55~+150	SMA
SMA5947AQ	1.5	77.9	82	86.1	4.6	160	2500	0.25	0.5	62.2	18	1.5	120	-55~+150	SMA
SMA5948AQ	1.5	86.45	91	95.55	4.1	200	3000	0.25	0.5	69.2	16	1.5	120	-55~+150	SMA
SMA5949AQ	1.5	95	100	105	3.7	250	3100	0.25	0.5	76	15	1.5	120	-55~+150	SMA
SMA5950AQ	1.5	104.5	110	115.5	3.4	300	4000	0.25	0.5	83.6	14	1.5	120	-55~+150	SMA
SMA5951AQ	1.5	114	120	126	3.1	380	4500	0.25	0.5	91.2	13	1.5	120	-55~+150	SMA
SMA5952AQ	1.5	123.5	130	136.5	2.9	450	5000	0.25	0.5	98.8	12	1.5	120	-55~+150	SMA
SMA5953AQ	1.5	142.5	150	157.5	2.5	600	6000	0.25	0.5	114	10	1.5	120	-55~+150	SMA
SMA5954AQ	1.5	152	160	168	2.3	700	6500	0.25	0.5	121.6	9.4	1.5	120	-55~+150	SMA
SMA5955AQ	1.5	171	180	189	2.1	900	7000	0.25	0.5	136.8	8.3	1.5	120	-55~+150	SMA
SMA5956AQ	1.5	190	200	210	1.9	1200	8000	0.25	0.5	152	7.5	1.5	120	-55~+150	SMA
SMB3Z6.8AQ	3	6.46	6.8	7.14	110	2	700	1	10	4	393	1.5	100	-55~+150	SMB
SMB3Z7.5AQ	3	7.125	7.5	7.875	100	2	700	0.5	10	5	360	1.5	100	-55~+150	SMB
SMB3Z8.2AQ	3	7.79	8.2	8.61	91	2.3	700	0.5	10	6	330	1.5	100	-55~+150	SMB
SMB3Z9.1AQ	3	8.645	9.1	9.555	82	2.5	700	0.5	10	7	297	1.5	100	-55~+150	SMB
SMB3Z10AQ	3	9.5	10	10.5	75	3.5	700	0.25	10	7.6	270	1.5	100	-55~+150	SMB
SMB3Z11AQ	3	10.45	11	11.55	68	4	700	0.25	0.5	8.4	225	1.5	100	-55~+150	SMB



SMA



SMB

功率稳压管 POWER ZENER DIODE

型号 TYPE NO.	损耗功率 PD (W)	稳压电压 Nominal Zener Voltage				最大齐纳阻抗 Maximum Zener Impedance			最大反向漏电流 Maximum Reverse Leakage Current		最大齐纳电流 Maximum DC Zener Current	最大正向电压 Maximum VF@IF=200mA	典型热阻 Typical Thermal Resistance	工作温度范围 Operation Temp. Range	封装 Package
		VZmin@IZT	VZyp@IZT	VZmax@IZT	IZT	ZZT@IZT	ZZK@IZK	IZK	IR@VR	Izm		RθJA	Tj		
		(V)	(V)	(V)	(mA)	(Ω)	(Ω)	(mA)	(mA)	(V)	(mA)	(C/W)	(C)		
SMB3Z12AQ	3	11.4	12	12.6	63	4.5	700	0.25	0.5	9.1	246	1.5	100	-55~+150	SMB
SMB3Z13AQ	3	12.35	13	13.65	58	4.5	700	0.25	0.5	9.9	208	1.5	100	-55~+150	SMB
SMB3Z14AQ	3	13.3	14	14.7	53	5	700	0.25	0.5	10.6	193	1.5	100	-55~+150	SMB
SMB3Z15AQ	3	14.25	15	15.75	50	5.5	700	0.25	0.5	11.4	180	1.5	100	-55~+150	SMB
SMB3Z16AQ	3	15.2	16	16.8	47	5.5	700	0.25	0.5	12.2	169	1.5	100	-55~+150	SMB
SMB3Z17AQ	3	16.15	17	17.85	44	6	750	0.25	0.5	13	159	1.5	100	-55~+150	SMB
SMB3Z18AQ	3	17.1	18	18.9	42	6	750	0.25	0.5	13.7	150	1.5	100	-55~+150	SMB
SMB3Z19AQ	3	18.05	19	19.95	40	7	750	0.25	0.5	14.4	142	1.5	100	-55~+150	SMB
SMB3Z20AQ	3	19	20	21	37	7	750	0.25	0.5	15.2	135	1.5	100	-55~+150	SMB
SMB3Z22AQ	3	20.9	22	23.1	34	8	750	0.25	0.5	16.7	123	1.5	100	-55~+150	SMB
SMB3Z24AQ	3	22.8	24	25.2	31	9	750	0.25	0.5	18.2	112	1.5	100	-55~+150	SMB
SMB3Z27AQ	3	25.65	27	28.35	28	10	750	0.25	0.5	20.6	100	1.5	100	-55~+150	SMB
SMB3Z30AQ	3	28.5	30	31.5	25	16	1000	0.25	0.5	22.5	90	1.5	100	-55~+150	SMB
SMB3Z33AQ	3	31.35	33	34.65	23	20	1000	0.25	0.5	25.1	82	1.5	100	-55~+150	SMB
SMB3Z36AQ	3	34.2	36	37.8	21	22	1000	0.25	0.5	27.4	75	1.5	100	-55~+150	SMB
SMB3Z39AQ	3	37.05	39	40.95	19	28	1000	0.25	0.5	29.7	69	1.5	100	-55~+150	SMB
SMB3Z43AQ	3	40.85	43	45.15	17	33	1500	0.25	0.5	32.7	63	1.5	100	-55~+150	SMB
SMB3Z47AQ	3	44.65	47	49.35	16	38	1500	0.25	0.5	35.6	57	1.5	100	-55~+150	SMB
SMB3Z51AQ	3	48.45	51	53.55	15	45	1500	0.25	0.5	38.8	53	1.5	100	-55~+150	SMB
SMB3Z56AQ	3	53.2	56	58.8	13	50	2000	0.25	0.5	42.6	48	1.5	100	-55~+150	SMB
SMB3Z62AQ	3	58.9	62	65.1	12	55	2000	0.25	0.5	47.1	44	1.5	100	-55~+150	SMB
SMB3Z68AQ	3	64.6	68	71.4	11	70	2000	0.25	0.5	51.7	40	1.5	100	-55~+150	SMB
SMB3Z75AQ	3	71.25	75	78.75	10	85	2000	0.25	0.5	56	36	1.5	100	-55~+150	SMB
SMB3Z82AQ	3	77.9	82	86.1	9.1	95	3000	0.25	0.5	62.2	33	1.5	100	-55~+150	SMB
SMB3Z91AQ	3	86.45	91	95.55	8.2	115	3000	0.25	0.5	69.2	30	1.5	100	-55~+150	SMB
SMB3Z100AQ	3	95	100	105	7.5	160	3000	0.25	0.5	76	27	1.5	100	-55~+150	SMB
SMB3Z110AQ	3	104.5	110	115.5	6.8	225	4000	0.25	0.5	83.6	25	1.5	100	-55~+150	SMB
SMB3Z120AQ	3	114	120	126	6.3	300	4500	0.25	0.5	91.2	22	1.5	100	-55~+150	SMB
SMB3Z130AQ	3	123.5	130	136.5	5.8	375	5000	0.25	0.5	98.8	21	1.5	100	-55~+150	SMB
SMB3Z140AQ	3	133	140	147	5.3	475	5000	0.25	0.5	106.4	19	1.5	100	-55~+150	SMB
SMB3Z150AQ	3	142.5	150	157.5	5	550	6000	0.25	0.5	114	18	1.5	100	-55~+150	SMB
SMB3Z160AQ	3	152	160	168	4.7	625	6500	0.25	0.5	121.6	17	1.5	100	-55~+150	SMB
SMB3Z170AQ	3	161.5	170	178.5	4.4	650	7000	0.25	0.5	130.4	16	1.5	100	-55~+150	SMB
SMB3Z180AQ	3	171	180	189	4.2	700	7000	0.25	0.5	136.8	15	1.5	100	-55~+150	SMB
SMB3Z190AQ	3	180.5	190	199.5	4	800	8000	0.25	0.5	144.8	14	1.5	100	-55~+150	SMB
SMB3Z200AQ	3	190	200	210	3.7	875	8000	0.25	0.5	152	13	1.5	100	-55~+150	SMB
SMB3Z210AQ	3	199.5	210	220.5	3.5	950	8300	0.25	0.5	169	12.3	1.5	100	-55~+150	SMB
SMB3Z220AQ	3	209	220	231	3.3	1600	8500	0.25	0.5						

功率稳压管 POWER ZENER DIODE

型号 TYPE NO.	损耗功率 PD (W)	稳压电压 Nominal Zener Voltage				最大齐纳阻抗 Maximum Zener Impedance			最大反向漏电流 Maximum Reverse Leakage Current		最大齐纳电流 Maximum DC Zener Current	最大正向电压 Maximum VF@IF=200mA	典型热阻 Typical Thermal Resistance	工作温度范围 Operation Temp. Range	封装 Package
		VZmin@IZT	VZtyp@IZT	VZmax@IZT	IZT	ZZT@IZT	ZZK@IZK	IZK	IR@VR	Izm	VF	RθJA	Tj		
		(V)	(V)	(V)	(mA)	(Ω)	(Ω)	(mA)	(mA)	(V)	(V)	(C/W)	(C)		
SMA4738AQ	1	7.79	8.2	8.61	31.0	4.5	700	0.50	10.0	6.0	110	1.2	120	-55 to +150	SMA
SMA4739AQ	1	8.65	9.1	9.56	28.0	5.0	700	0.50	10.0	7.0	100.0	1.2	120	-55 to +150	SMA
SMA4740AQ	1	9.50	10.0	10.50	25.0	7.0	700	0.25	10.0	7.6	91.0	1.2	120	-55 to +150	SMA
SMA4741AQ	1	10.45	11.0	11.55	23.0	8.0	700	0.25	5.0	8.4	83.0	1.2	120	-55 to +150	SMA
SMA4742AQ	1	11.40	12.0	12.60	21.0	9.0	700	0.25	5.0	9.1	76.0	1.2	120	-55 to +150	SMA
SMA4743AQ	1	12.35	13.0	13.65	19.0	10.0	700	0.25	5.0	9.9	69.0	1.2	120	-55 to +150	SMA
SMA4744AQ	1	14.25	15.0	15.75	17.0	14.0	700	0.25	5.0	11.4	61.0	1.2	120	-55 to +150	SMA
SMA4745AQ	1	15.20	16.0	16.80	15.5	16.0	700	0.25	5.0	12.2	57.0	1.2	120	-55 to +150	SMA
SMA4746AQ	1	17.10	18.0	18.90	14.0	20.0	750	0.25	5.0	13.7	50.0	1.2	120	-55 to +150	SMA
SMA4747AQ	1	19.00	20.0	21.00	12.5	22.0	750	0.25	5.0	15.2	45.0	1.2	120	-55 to +150	SMA
SMA4748AQ	1	20.90	22.0	23.10	11.5	23.0	750	0.25	5.0	16.7	41.0	1.2	120	-55 to +150	SMA
SMA4749AQ	1	22.80	24.0	25.20	10.5	25.0	750	0.25	5.0	18.2	38.0	1.2	120	-55 to +150	SMA
SMA4750AQ	1	25.65	27.0	28.35	9.5	35.0	750	0.25	5.0	20.6	34.0	1.2	120	-55 to +150	SMA
SMA4751AQ	1	28.50	30.0	31.50	8.5	40.0	1000	0.25	5.0	22.8	30.0	1.2	120	-55 to +150	SMA
SMA4752AQ	1	31.35	33.0	34.65	7.5	45.0	1000	0.25	5.0	25.1	27.0	1.2	120	-55 to +150	SMA
SMA4753AQ	1	34.20	36.0	37.80	7.0	50.0	1000	0.25	5.0	27.4	25.0	1.2	120	-55 to +150	SMA
SMA4754AQ	1	37.05	39.0	40.95	6.5	60.0	1000	0.25	5.0	29.7	23.0	1.2	120	-55 to +150	SMA
SMA4755AQ	1	40.85	43.0	45.15	6.0	70.0	1500	0.25	5.0	32.7	22.0	1.2	120	-55 to +150	SMA
SMA4756AQ	1	44.65	47.0	49.35	5.5	80.0	1500	0.25	5.0	35.8	19.0	1.2	120	-55 to +150	SMA
SMA4757AQ	1	48.45	51.0	53.55	5.0	95.0	1500	0.25	5.0	38.8	18.0	1.2	120	-55 to +150	SMA
SMA4758AQ	1	53.20	56.0	58.80	4.5	110.0	2000	0.25	5.0	42.6	16.0	1.2	120	-55 to +150	SMA
SMA4759AQ	1	58.90	62.0	65.10	4.0	125.0	2000	0.25	5.0	47.1	14.0	1.2	120	-55 to +150	SMA
SMA4760AQ	1	64.60	68.0	71.40	3.7	150.0	2000	0.25	5.0	51.7	13.0	1.2	120	-55 to +150	SMA
SMA4761AQ	1	71.25	75.0	78.75	3.3	175.0	2000	0.25	5.0	56.0	12.0	1.2	120	-55 to +150	SMA
SMA4762AQ	1	77.90	82.0	86.10	3.0	200.0	3000	0.25	5.0	62.2	11.0	1.2	120	-55 to +150	SMA
SMA4763AQ	1	86.45	91.0	95.55	2.8	250.0	3000	0.25	5.0	69.2	10.0	1.2	120	-55 to +150	SMA
SMA4764AQ	1	95.00	100.0	105.00	2.5	350.0	3000	0.25	5.0	76.0	9.0	1.2	120	-55 to +150	SMA
SMF4734AQ	1	5.32	5.6	5.88	45	5	600	1	10	2	161	1.2	120	-55 ~ +150	SOD-123FL
SMF4735AQ	1	5.89	6.2	6.51	41	2	700	1	10	3	146	1.2	120	-55 ~ +150	SOD-123FL
SMF4736AQ	1	6.46	6.8	7.14	37	3.5	700	1	10	4	133	1.2	120	-55 ~ +150	SOD-123FL
SMF4737AQ	1	7.125	7.5	7.875	34	4	700	0.5	10	5	121	1.2	120	-55 ~ +150	SOD-123FL
SMF4738AQ	1	7.79	8.2	8.61	31	4.5	700	0.5	10	6	110	1.2	120	-55 ~ +150	SOD-123FL
SMF4739AQ	1	8.645	9.1	9.555	28	5	700	0.5	10	7	100	1.2	120	-55 ~ +150	SOD-123FL
SMF4740AQ	1	9.5	10	10.5	25	7	700	0.25	10	7.6	91	1.2	120	-55 ~ +150	SOD-123FL
SMF4741AQ	1	10.45	11	11.55	23	8	700	0.25	5	8.4	83	1.2	120	-55 ~ +150	SOD-123FL
SMF4742AQ	1	11.4	12	12.6	21	9	700	0.25	5	9.1	76	1.2	120	-55 ~ +150	SOD-123FL
SMF4743AQ	1	12.35	13	13.65	19	10	700	0.25	5	9.9	69	1.2	120	-55 ~ +150	SOD-123FL
SMF4744AQ	1	14.25	15	15.75	17	14	700	0.25	5	11.4	61	1.2	120	-55 ~ +150	SOD-123FL
SMF4745AQ	1	15.2	16	16.8	15.5	16	700	0.25	5	12.2	57	1.2	120	-55 ~ +150	SOD-123FL
SMF4746AQ	1	17.1	18	18.9	14	20	750	0.25	5	13.7	50	1.2	120	-55 ~ +150	SOD-123FL
SMF4747AQ	1	19	20	21	12.5	22	750	0.25	5	15.2	45	1.2	120	-55 ~ +150	SOD-123FL
SMF4748AQ	1	20.9	22	23.1	11.5	23	750	0.25	5	16.7	41	1.2	120	-55 ~ +150	SOD-123FL



SMA



SOD-123FL

功率稳压管 POWER ZENER DIODE

型号 TYPE NO.	损耗功率 PD (W)	稳压电压 Nominal Zener Voltage				最大齐纳阻抗 Maximum Zener Impedance			最大反向漏电流 Maximum Reverse Leakage Current		最大齐纳电流 Maximum DC Zener Current	最大正向电压 Maximum VF@IF=200mA	典型热阻 Typical Thermal Resistance	工作温度范围 Operation Temp. Range	封装 Package
		VZmin@IZT	VZtyp@IZT	VZmax@IZT	IZT	ZZT@IZT	ZZK@IZK	IZK	IR@VR	Izm	VF	RθJA	Tj		
		(V)	(V)	(V)	(mA)	(Ω)	(Ω)	(mA)	(mA)	(V)	(mA)	(V)	(C/W)	(C)	
SMF4749AQ	1	22.8	24	25.2	10.5	25	750	0.25	5	18.2	38	1.2	120	-55 ~ +150	SOD-123FL
SMF4750AQ	1	25.65	27	28.35	9.5	35	750	0.25	5	20.6	34	1.2	120	-55 ~ +150	SOD-123FL
SMF4751AQ	1	28.5	30	31.5	8.5	40	1000	0.25	5	22.8	30	1.2	120	-55 ~ +150	SOD-123FL
SMF4752AQ	1	31.35	33	34.65	7.5	45	1000	0.25	5	25.1	27	1.2	120	-55 ~ +150	SOD-123FL
SMF4753AQ	1	34.2	36	37.8	7	50	1000	0.25	5	27.4	25	1.2	120	-55 ~ +150	SOD-123FL
SMF4754AQ	1	37.05	39	40.95	6.5	60	1000	0.25	5	29.7	23	1.2	120	-55 ~ +150	SOD-123FL
SMF4755AQ	1	40.85	43	45.15	6	70	1500	0.25	5	32.7	22	1.2	120	-55 ~ +150	SOD-123FL
SMF4756AQ	1	44.65	47	49.35	5.5	80	1500	0.25	5	35.8	19	1.2	120	-55 ~ +150	SOD-123FL
SMF4757AQ	1	48.45	51	53.55	5	95	1500	0.25	5	38.8	18	1.2	120	-55 ~ +150	SOD-123FL
SMF4758AQ	1	53.2	56	58.8	4.5	110	2000	0.25	5	42.6	16	1.2	120	-55 ~ +150	SOD-123FL
SMF4759AQ	1	58.9	62	65.1	4	125	2000	0.25	5	47.1	14	1.2	120	-55 ~ +150	SOD-123FL
SMF4760AQ	1	64.6	68	71.4	3.7	150	2000	0.25	5	51.7	13	1.2	120	-55 ~ +150	SOD-123FL
SMF4761AQ	1	71.25	75	78.75	3.3	175	2000	0.25	5	56	12	1.2	120	-55 ~ +150	SOD-123FL
SMF4762AQ	1	77.9	82	86.1	3	200	3000	0.25	5	62.2	11	1.2	120	-55 ~ +150	SOD-123FL
SMF4763AQ	1	86.45	91	95.55	2.8	250	3000	0.25	5	69.2	10	1.2	120	-55 ~ +150	SOD-123FL
SMF4764AQ	1	95	100	105	2.5	350	3000	0.25	5	76	9	1.2	120	-55 ~ +150	SOD-123FL
SMA2Z6.8AQ	2	6.46	6.8	7.14	73.5	2	700	1	10	4	266	1.5	120	-55 ~ +150	SMA
SMA2Z7.5AQ	2	7.125	7.5	7.875	66.5	2	700	0.5	10	5	242	1.5	120	-55 ~ +150	SMA
SMA2Z8.2AQ	2	7.79	8.2	8.61	61	2.3	700	0.5	10	6	220	1.5	120	-55 ~ +150	SMA
SMA2Z9.1AQ	2	8.645	9.1	9.555	55	2.5	700	0.5	10	7	200	1.5	120	-55 ~ +150	SMA
SMA2Z10AQ	2	9.5	10	10.5	50	3.5	700	0.25	10	7.6	182	1.5	120	-55 ~ +150	SMA
SMA2Z11AQ	2	10.45	11	11.55	45.5	4	700	0.25	1	8.4	166	1.5	120	-55 ~ +150	SMA
SMA2Z12AQ	2	11.4	12	12.6	41.5	4.5	700	0.25	1	9.1	152	1.5	120	-55 ~ +150	SMA
SMA2Z13AQ	2	12.35	13	13.65	38.5	5	700	0.25	0.5	9.9	138	1.5	120	-55 ~ +150	SMA
SMA2Z14AQ	2	13.3	14	14.7	35.7	5.5	700	0.25	0.5	10.6	130	1.5	120	-55 ~ +150	SMA
SMA2Z15AQ	2	14.25	15	15.75	33.4	7	700	0.25	0.5	11.4	122	1.5	120	-55 ~ +150	SMA
SMA2Z16AQ	2	15.2	16	16.8	31.2	8	700	0.25	0.5	12.2	114	1.5	120	-55 ~ +150	SMA
SMA2Z17AQ	2	16.15	17	17.85	29.4	9	750	0.25	0.5	13	107	1.5	120	-55 ~ +150	SMA
SMA2Z18AQ	2	17.1	18	18.9	27.8	10	750	0.25	0.5	13.7	100	1.5	120	-55 ~ +150	SMA
SMA2Z19AQ	2	18.05	19	19.95	26.3	11	750	0.25	0.5	14.4	95	1.5	120	-55 ~ +150	SMA
SMA2Z20AQ	2	19	20	21	25	11	750	0.25	0.5	15.2	90	1.5	120	-55 ~ +150	SMA
SMA2Z22AQ	2	20.9	22	23.1	22.8	12	750	0.25	0.5	16.7	82	1.5	120	-55 ~ +150	SMA
SMA2Z24AQ	2	22.8	24	25.2	20.8	13	750	0.25	0.5	18.2	76	1.5	120	-55 ~ +150	SMA
SMA2Z27AQ	2	25.65	27	28.35	18.5	18	750	0.25	0.5	20.6	68	1.5	120	-55 ~ +150	SMA
SMA2Z30AQ	2	28.5	30	31.5	16.6	20	1000	0.25	0.5	22.5	60	1.5	120	-55 ~ +150	SMA
SMA2Z33AQ	2	31.35	33	34.65	15.1	23	1000	0.25	0.5	25.1	55	1.5	120	-55 ~ +150	SMA
SMA2Z36AQ	2	34.2													

功率稳压管
POWER ZENER DIODE

型号 TYPE NO.	损耗功率 PD (W)	稳压电压 Nominal Zener Voltage				最大齐纳阻抗 Maximum Zener Impedance			最大反向漏电流 Maximum Reverse Leakage Current		最大齐纳电流 Maximum DC Zener Current		最大正向电压 Maximum VF@ IF=200mA (V)	典型热阻 Typical Thermal Resistance (°C/W)	工作温度范围 Operation Temp. Range (°C)	封装 Package
		VZmin@IZT	VZtyp@IZT	VZmax@IZT	IzT	ZZT@IZT	ZZK@IZK	Izk	IR@VR	Izm						
		(V)	(V)	(V)	(mA)	(Ω)	(Ω)	(mA)	(mA)	(mA)						
SMA2Z62AQ	2	58.9	62	65.1	8.1	60	2000	0.25	0.5	47.1	29	1.5	120	-55~+150	SMA	
SMA2Z68AQ	2	64.6	68	71.4	7.4	75	2000	0.25	0.5	51.7	27	1.5	120	-55~+150	SMA	
SMA2Z75AQ	2	71.25	75	78.75	6.7	90	2000	0.25	0.5	56	24	1.5	120	-55~+150	SMA	
SMA2Z82AQ	2	77.9	82	86.1	6.1	100	3000	0.25	0.5	62.2	22	1.5	120	-55~+150	SMA	
SMA2Z91AQ	2	86.45	91	95.55	5.5	125	3000	0.25	0.5	69.2	20	1.5	120	-55~+150	SMA	
SMA2Z100AQ	2	95	100	105	5	175	3000	0.25	0.5	76	18	1.5	120	-55~+150	SMA	
SMA2Z110AQ	2	104.5	110	115.5	4.5	250	4000	0.25	0.5	83.6	17	1.5	120	-55~+150	SMA	
SMA2Z120AQ	2	114	120	126	4.2	325	4500	0.25	0.5	91.2	15	1.5	120	-55~+150	SMA	
SMA2Z130AQ	2	123.5	130	136.5	3.8	400	5000	0.25	0.5	98.8	14	1.5	120	-55~+150	SMA	
SMA2Z140AQ	2	133	140	147	3.6	500	5500	0.25	0.5	106.4	13	1.5	120	-55~+150	SMA	
SMA2Z150AQ	2	142.5	150	157.5	3.3	575	6000	0.25	0.5	114	12	1.5	120	-55~+150	SMA	
SMA2Z160AQ	2	152	160	168	3.1	650	6500	0.25	0.5	121.6	11	1.5	120	-55~+150	SMA	
SMA2Z170AQ	2	161.5	170	178.5	2.9	675	7000	0.25	0.5	130.4	11	1.5	120	-55~+150	SMA	
SMA2Z180AQ	2	171	180	189	2.8	725	7000	0.25	0.5	136.8	10	1.5	120	-55~+150	SMA	
SMA2Z190AQ	2	180.5	190	199.5	2.6	825	8000	0.25	0.5	144.8	10	1.5	120	-55~+150	SMA	
SMA2Z200AQ	2	190	200	210	2.5	1900	9990	0.25	0.5	152	9	1.5	120	-55~+150	SMA	
SMA2Z220AQ	2	209	220	231	2.0	2000	8500	0.25	0.5	167	8	1.5	120	-55~+150	SMA	



SMA

ESD保护器件
ESD PROTECTION DIODES

型号 TYPE NO.	极性 Configuration	# of lines	击穿电压 Breakdown Voltage @IT VBR(V)			最大反向漏电流 Maximum Reverse Leakage IR@VRWM (μA)	峰值工作反向电压 Reverse Stand-off Voltage VRWM(V)	最大脉冲 峰值电流 Peak Pulse Current IPP(A)(8/20us)	最大箝位电压 Maximum Clamping Voltage VC@IPP (V)	工作温度 范围 Operation Temp. Range (°C)	结电容 Cj(Typ) (pF)	IEC61000-4-2 ESD Capability (KV)	印字代码 Marking Code	封装 Package
			Min.(V)	Max.(V)	Ir(mA)									
			Min.(V)	Max.(V)	Ir(mA)									
ESD1CAN24T2Q	Bi	2	27	-	1	0.2	24	5	60	-55~+100	16	30	AN	SOT-23
ESD2CAN24T2Q	Bi	2	26.3	30.3	1	0.1	24	8	48	-55~+150	32	30	6R	SOT-23
ESDLIN1524D3Q	Bi	1	17.1 25.4	-	1	0.05	15 24	5 3	35 50	-55~+125	13	30	AM	SOD-323
ESD5V0D3BQ	Bi	2	6	-	1	1	5	24	17	-55~+150	50	30	B5	SOD-323
ESD12VD3BQ	Bi	2	13.3	-	1	1	12	10	28	-55~+150	30	30	12B	SOD-323
ESD15VD3BQ	Bi	2	16.7	-	1	1	15	9	28.5	-55~+150	22	30	15B	SOD-323
ESD24VD3BQ	Bi	2	26.7	-	1	1	24	7	44	-55~+150	20	30	24B	SOD-323
ESD36VD3BQ	Bi	2	40	-	1	1	36	5	75	-55~+150	13	30	36B	SOD-323
ESD24VD3Q	Uni	1	26.7	-	1	1	24	7	44	-55~+150	36	30	24	SOD-323
ESD5V0D3Q	Uni	1	6.2	7.5	1	1	5	20	15	-55~+150	140	30	05	SOD-323
ESD12VD3Q	Uni	1	13.3	16.5	1	1	12	10	28	-55~+150	55	30	12	SOD-323
ESD15VD3Q	Uni	1	16.5	19	1	1	15	8	35	-55~+150	45	30	15	SOD-323
ESD36VD3Q	Uni	1	40	44	1	1	36	5	75	-55~+150	24	30	36	SOD-323
ESD5V0D5Q	Uni	1	6.2	7.5	1	1	5	20	15	-55~+150	140	30	05	SOD-523
ESD12VD5Q	Uni	1	13.3	16.5	1	1	12	10	28	-55~+150	55	30	12	SOD-523
ESD15VD5Q	Uni	1	16.5	19	1	1	15	8	35	-55~+150	45	30	15	SOD-523
ESD24VD5Q	Uni	1	26.7		1	1	24	7	44	-55~+150	35	30	24	SOD-523
ESD36VD5Q	Uni	1	40	44	1	1	36	5	75	-55~+150	24	30	36	SOD-523
ESD0502EBQ	Bi	2	6	7.5	1	1	5	24	17	-55~+150	50	30	05B	SOT-23
ESD0502EQ	Uni	2	6.2	7.5	1	1	5	20	15	-55~+150	140	30	05A	SOT-23
ESD0502ETQ	Uni	2	6.2	7.5	1	1	5	20	15	-55~+150	140	30	05C	SOT-23
ESD1202EQ	Uni	2	13.1	16.5	1	1	12	10	28	-55~+150	55	30	12A	SOT-23
ESD1202ETQ	Uni	2	13.1	16.5	1	1	12	10	28	-55~+150	55	30	12C	SOT-23
ESD1502EQ	Uni	2	16.1	19	1	1	15	8	35	-55~+150	45	30	15A	SOT-23
ESD1502ETQ	Uni	2	16.1	19	1	1	15	8	35	-55~+150	45	30	15C	SOT-23
ESD2402EQ	Uni	2	26.7	30	1	1	24	7	44	-55~+150	35	30	24A	SOT-23
ESD2402ETQ	Uni	2	26.7	30	1	1	24	7	44	-55~+150	35	30	24C	SOT-23
ESD3602EQ	Uni	2	40	44.5	1	1	36	5	75	-55~+150	24	30	36A	SOT-23
ESD3602ETQ	Uni	2	40	44.5	1	1	36	5	75	-55~+150	24	30	36C	SOT-23
ESD5V0D3AQ	Uni	1	6.2	7.5	1	1	5	30	20	-55~+150	220	30	05A	SOD-323
ESD2CAN24T2SQ	Bi	2	26.2	32	1	0.1	24	7	44	-55~+150	30	30	6RS	SOT-23
MMBZ27VAQ	Uni	2	25.65	28.35	1	0.05	22	-	-	-55~+150	60	30	27A	SOT-23
MMBZ27VCQ	Uni	2	25.65	28.35	1	0.05	22	-	-	-55~+150	60	30	27C	SOT-23



SOT-23



SOD-323



SOD-523

快恢复整流二极管 FAST RECOVERY DIODE

型号 TYPE NO.	最大反向峰值电压 Max.Reverse Voltage	最大正向电流 Max.Aver. Rect.Current	Maximum reverse recovery time	最大正向浪涌电流 Peak Fwd. Surge Current	最大正向压降 Max.Fwd.Voltage @25°C & Rated I _o		最大反向漏电流 Maximum Reverse Current@Rated VRM&Tc		典型热阻 Typical Thermal Resistance	结电容 Typical junction capacitance	工作结温 Operation Temp.Range	封装 Package
	V _{RM} (V)	I _o (A)	TRR(ns)	I _{FSM} (A)	Rated I _o (A)	V _F (V)	@25°C I _R (mA)	@100°C I _R (mA)	R _{θJA} (°C/W)	C _J (PF)	T _J (°C)	
E1AQ	50	1	35	30	1	1.0	5	100	85	21	-55~+150	SOD-123FL
E1BQ	100	1	35	30	1	1.0	5	100	85	21	-55~+150	SOD-123FL
E1DQ	200	1	35	30	1	1.0	5	100	85	21	-55~+150	SOD-123FL
E1FQ	300	1	35	30	1	1.3	5	100	85	13	-55~+150	SOD-123FL
E1GQ	400	1	35	30	1	1.3	5	100	85	13	-55~+150	SOD-123FL
E1JQ	600	1	35	30	1	1.7	5	100	85	13	-55~+150	SOD-123FL
ES1AQ	50	1	35	30	1	0.95	5	100	85	21	-55~+150	SMA
ES1BQ	100	1	35	30	1	0.95	5	100	85	21	-55~+150	SMA
ES1CQ	150	1	35	30	1	0.95	5	100	85	21	-55~+150	SMA
ES1DQ	200	1	35	30	1	0.95	5	100	85	21	-55~+150	SMA
ES1FQ	300	1	35	30	1	1.3	5	100	85	13	-55~+150	SMA
ES1GQ	400	1	35	30	1	1.3	5	100	85	13	-55~+150	SMA
ES1HQ	500	1	35	30	1	1.7	5	100	85	13	-55~+150	SMA
ES1JQ	600	1	35	30	1	1.7	5	100	85	13	-55~+150	SMA
ES2AAQ	50	2	35	50	2	0.95	5	100	85	30	-55~+150	SMA
ES2BAQ	100	2	35	50	2	0.95	5	100	85	30	-55~+150	SMA
ES2CAQ	150	2	35	50	2	0.95	5	100	85	30	-55~+150	SMA
ES2DAQ	200	2	35	50	2	0.95	5	100	85	30	-55~+150	SMA
ES2FAQ	300	2	35	50	2	1.3	5	100	85	25	-55~+150	SMA
ES2GAQ	400	2	35	50	2	1.3	5	100	85	25	-55~+150	SMA
ES2HAQ	500	2	35	50	2	1.7	5	100	85	20	-55~+150	SMA
ES2JAQ	600	2	35	50	2	1.7	5	100	85	20	-55~+150	SMA
ES2AQ	50	2	35	50	2	0.95	5	100	75	30	-55~+150	SMB
ES2BQ	100	2	35	50	2	0.95	5	100	75	30	-55~+150	SMB
ES2CQ	150	2	35	50	2	0.95	5	100	75	30	-55~+150	SMB
ES2DQ	200	2	35	50	2	0.95	5	100	75	30	-55~+150	SMB
ES2FQ	300	2	35	50	2	1.3	5	100	75	25	-55~+150	SMB
ES2GQ	400	2	35	50	2	1.3	5	100	75	25	-55~+150	SMB
ES2HQ	500	2	35	50	2	1.7	5	100	75	20	-55~+150	SMB
ES2JQ	600	2	35	50	2	1.7	5	100	75	20	-55~+150	SMB
ES3ABQ	50	3	35	100	3	0.95	5	100	65	60	-55~+150	SMB
ES3BBQ	100	3	35	100	3	0.95	5	100	65	60	-55~+150	SMB
ES3CBQ	150	3	35	100	3	0.95	5	100	65	60	-55~+150	SMB
ES3DBQ	200	3	35	100	3	0.95	5	100	65	60	-55~+150	SMB
ES3FBQ	300	3	35	100	3	1.3	5	100	65	60	-55~+150	SMB
ES3GBQ	400	3	35	100	3	1.3	5	100	65	60	-55~+150	SMB
ES3HBQ	500	3	35	100	3	1.7	5	100	65	60	-55~+150	SMB
ES3JBQ	600	3	35	100	3	1.7	5	100	65	60	-55~+150	SMB
ES3AQ	50	3	35	100	3	0.95	5	100	75	60	-55~+150	SMC
ES3BQ	100	3	35	100	3	0.95	5	100	75	60	-55~+150	SMC
ES3CQ	150	3	35	100	3	0.95	5	100	75	60	-55~+150	SMC
ES3DQ	200	3	35	100	3	0.95	5	100	75	60	-55~+150	SMC
ES3FQ	300	3	35	100	3	1.3	5	100	75	60	-55~+150	SMC



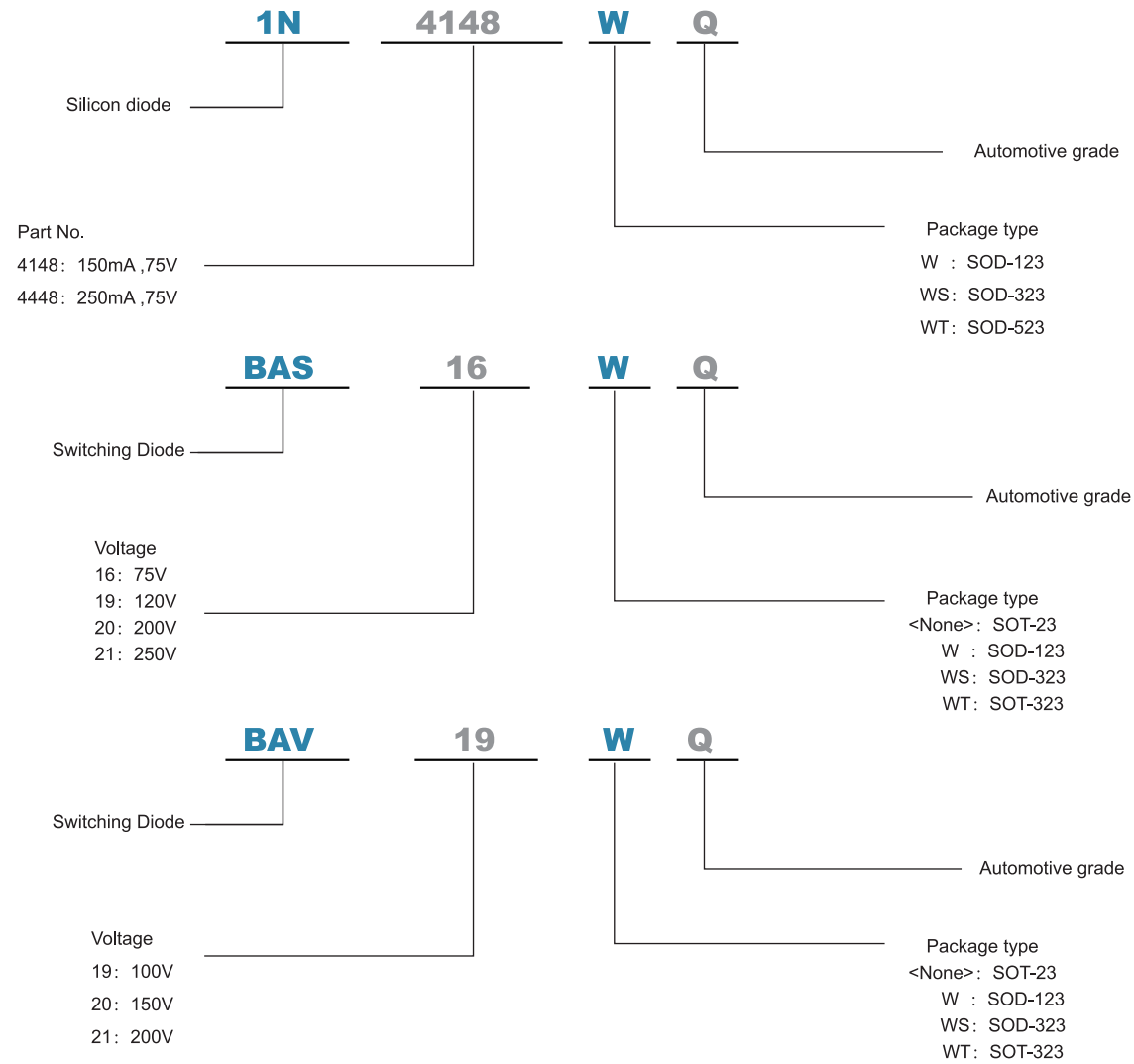
快恢复整流二极管 FAST RECOVERY DIODE

型号 TYPE NO.	最大反向峰值电压 Max.Reverse Voltage	最大正向电流 Max.Aver. Rect.Current	Maximum reverse recovery time	最大正向浪涌电流 Peak Fwd. Surge Current	最大正向压降 Max.Fwd.Voltage @25°C & Rated I _o		最大反向漏电流 Maximum Reverse Current@Rated VRM&Tc		典型热阻 Typical Thermal Resistance	结电容 Typical junction capacitance	工作结温 Operation Temp.Range	封装 Package
	V _{RM} (V)	I _o (A)	TRR(ns)	I _{FSM} (A)	Rated I _o (A)	V _F (V)	@25°C I _R (mA)	@100°C I _R (mA)	R _{θJA} (°C/W)	C _J (PF)	T _J (°C)	
ES3GQ	400	3	35	100	3	1.3	5	100	75	60	-55~+150	SMC
ES3HQ	500	3	35	100	3	1.7	5	100	75	60	-55~+150	SMC
ES3JQ	600	3	35	100	3	1.7	5	100	75	60	-55~+150	SMC
HS1MQ	1000	1	75	30	1	1.7	5	100	75	10	-55~+150	SMA
HS2MAQ	1000	2	75	50	2	1.7	5	100	75	15	-55~+150	SMA
U1AQ	50	1	25	30	1	0.92	2	20	65	15	-55~+150	SOD-123FL
U1BQ	100	1	25	30	1	0.92	2	20	65	15	-55~+150	SOD-123FL
U1CQ	150	1	25	30	1	0.92	2	20	65	15	-55~+150	SOD-123FL
U1DQ	200	1	25	30	1	0.92	2	20	65	15	-55~+150	SOD-123FL
UG2AQ	50	2	25	50	2	0.92	2	20	70	25	-55~+150	SMB
UG2BQ	100	2	25	50	2	0.92	2	20	70	25	-55~+150	SMB
UG2CQ	150	2	25	50	2	0.92	2	20	70	25	-55~+150	SMB
UG2DQ	200	2	25	50	2	0.92	2	20	70	25	-55~+150	SMB
UG1AQ	50	1	25	30	1	0.92	2	20	70	15	-55~+150	SMA
UG1BQ	100	1	25	30	1	0.92	2	20	70	15	-55~+150	SMA
UG1CQ	150	1	25	30	1	0.92	2	20	70	15	-55~+150	SMA
UG1DQ	200	1	25	30	1	0.92	2	20	70	15	-55~+150	SMA
UG2AAQ	50	2	25	50	2	0.92	2	20	75	25	-55~+150	SMA
UG2BAQ	100	2	25	50	2	0.92	2	20	75	25	-55~+150	SMA
UG2CAQ	150	2	25	50	2	0.92	2	20	75	25	-55~+150	SMA
UG2DAQ	200	2	25	50	2	0.92	2	20	75	25	-55~+150	SMA

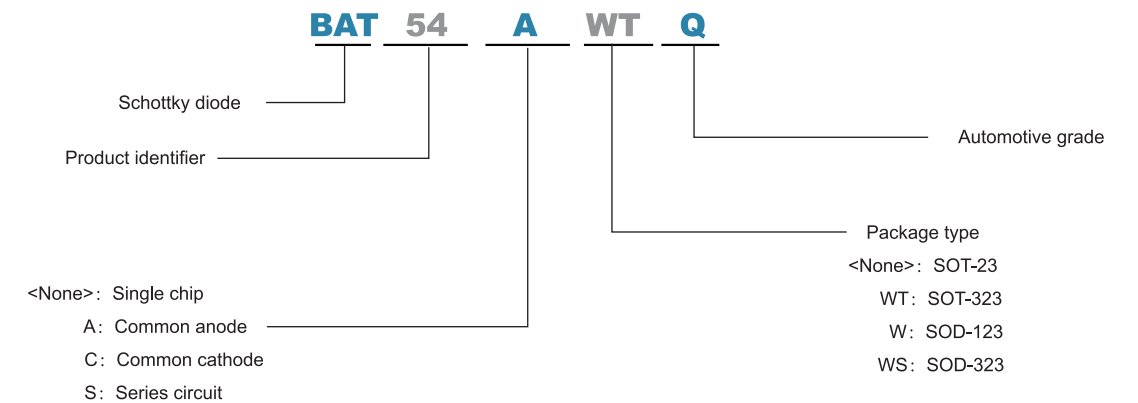
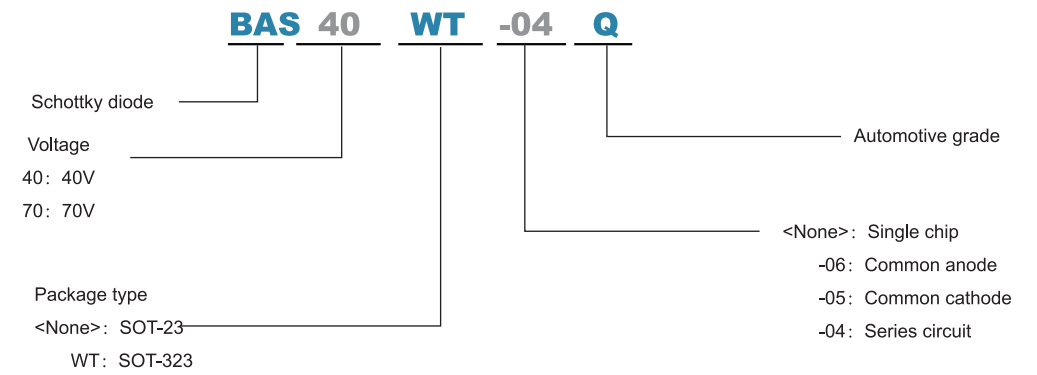
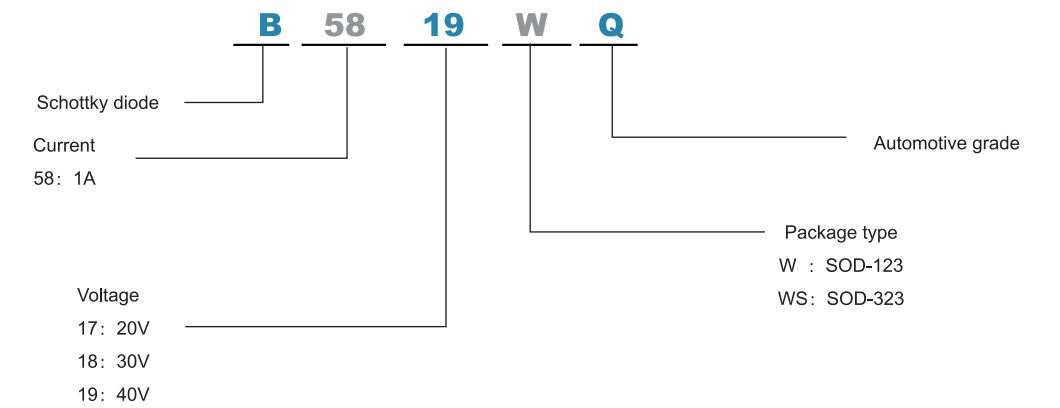
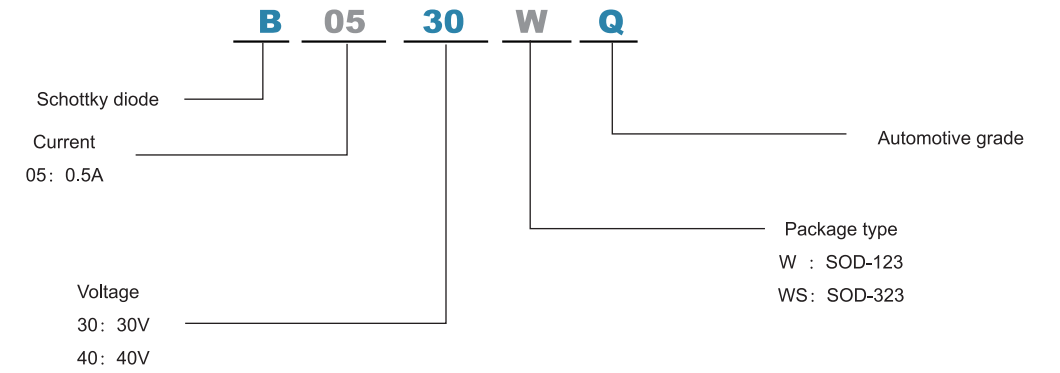
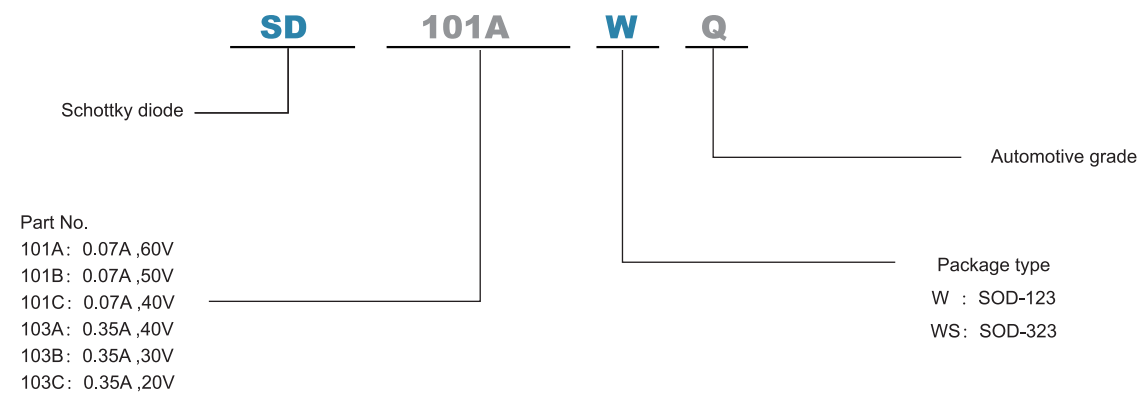


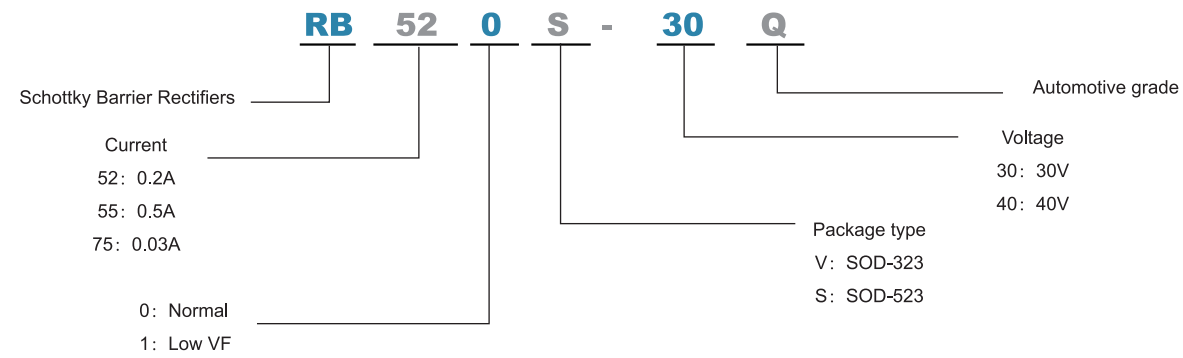
产品命名规则 PRODUCT NAME RULE

小信号开关二极管
SMALL SIGNAL SWITCHING DIODE

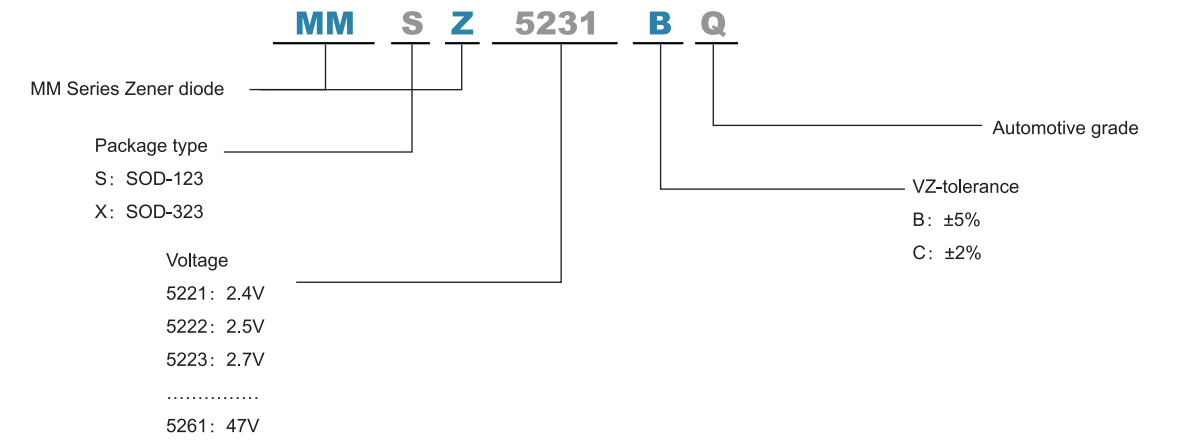
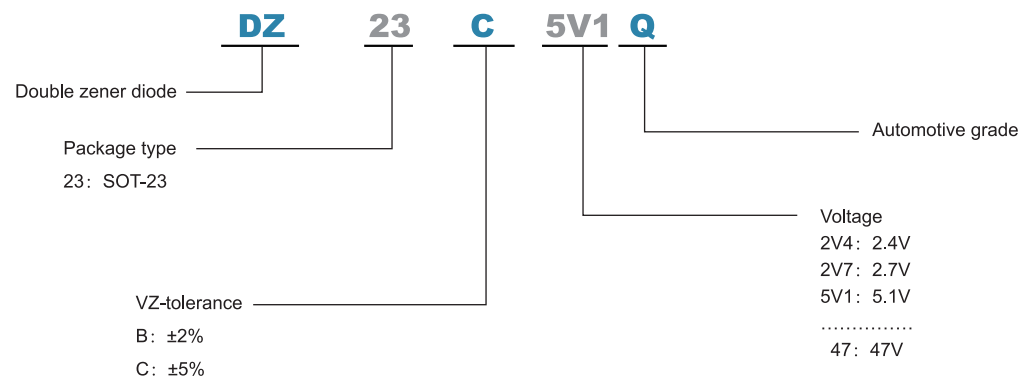
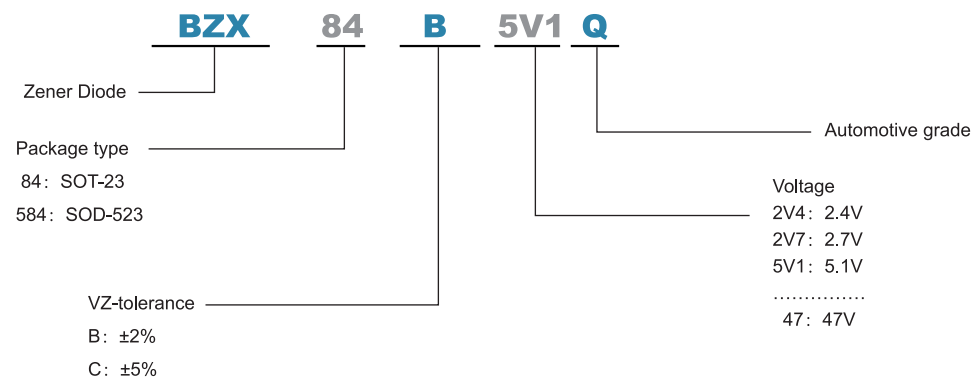
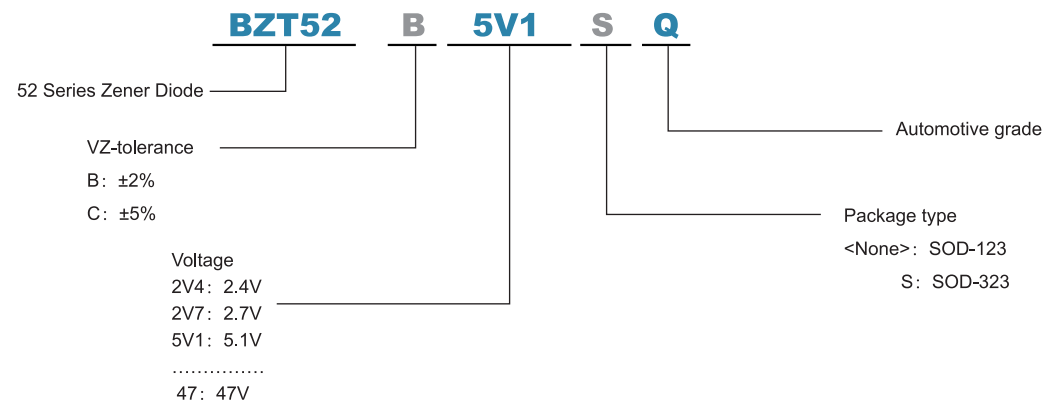


小信号肖特基二极管
SMALL SIGNAL SCHOTTKY DIODE

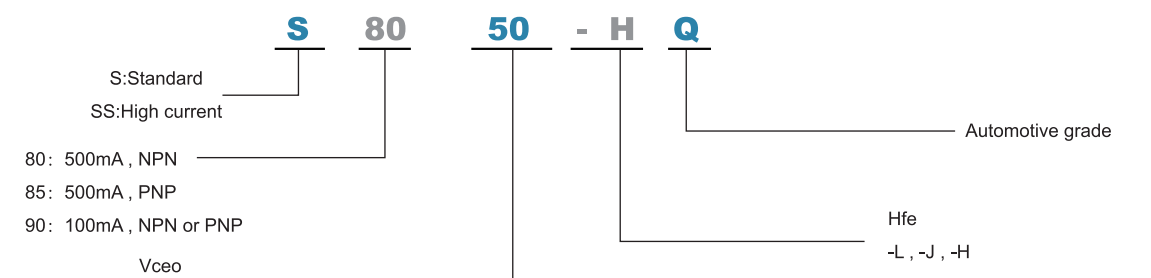
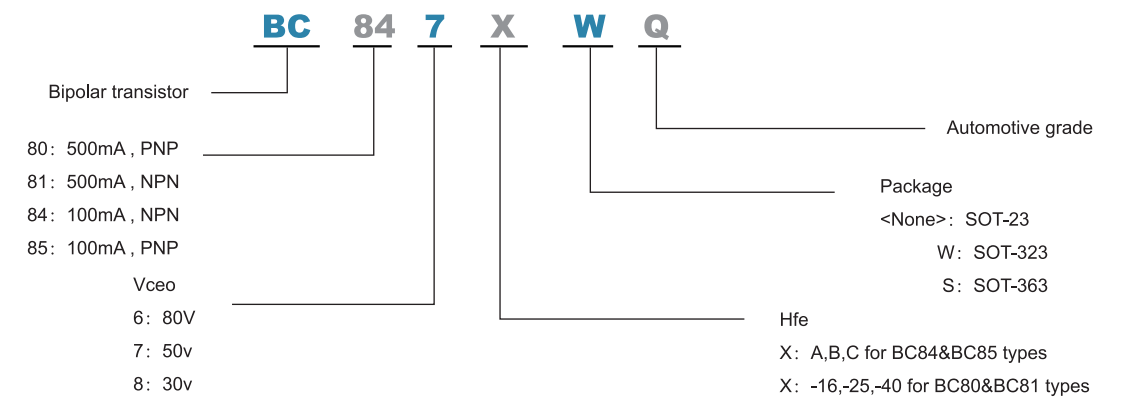
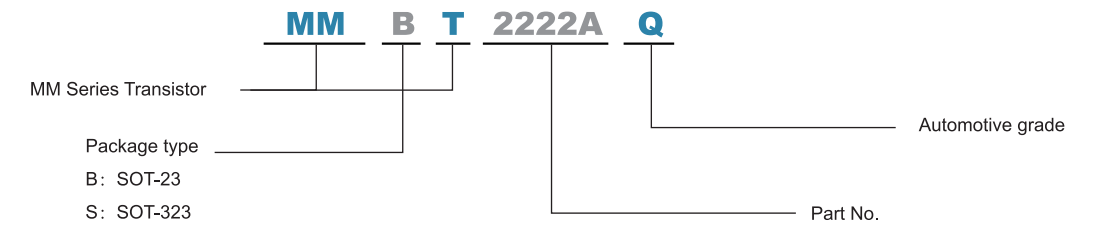




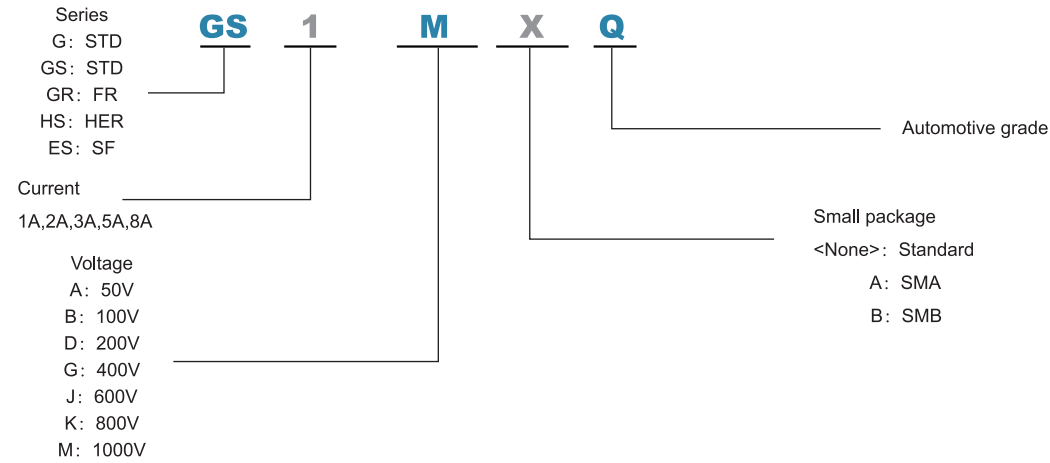
小信号稳压二极管
SMALL SIGNAL ZENER DIODE



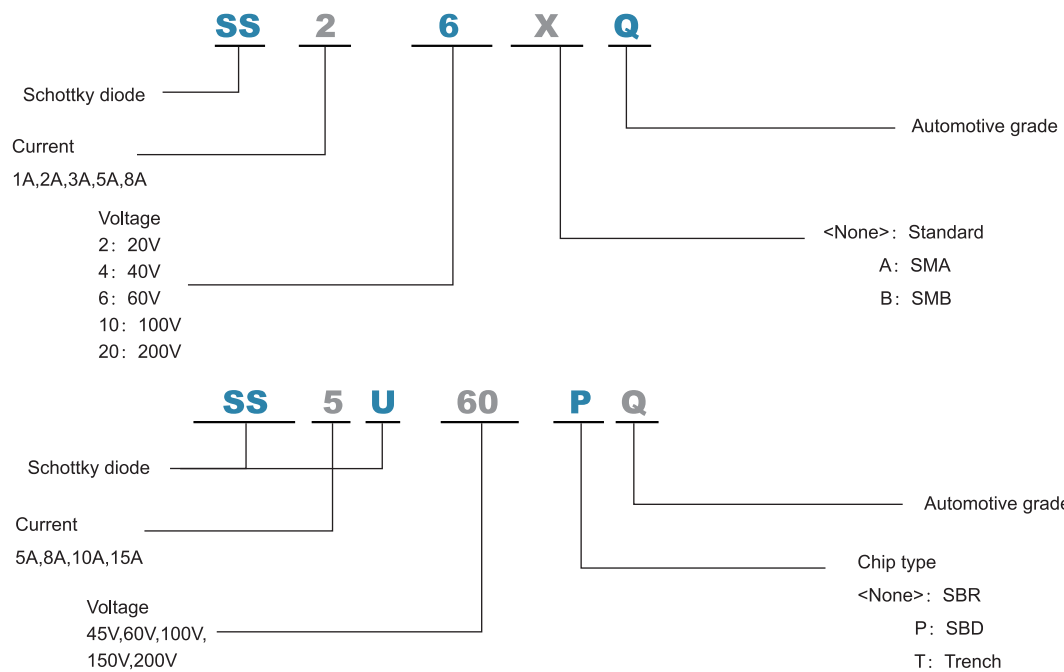
小信号三极管
SMALL SIGNAL TRANSISTOR



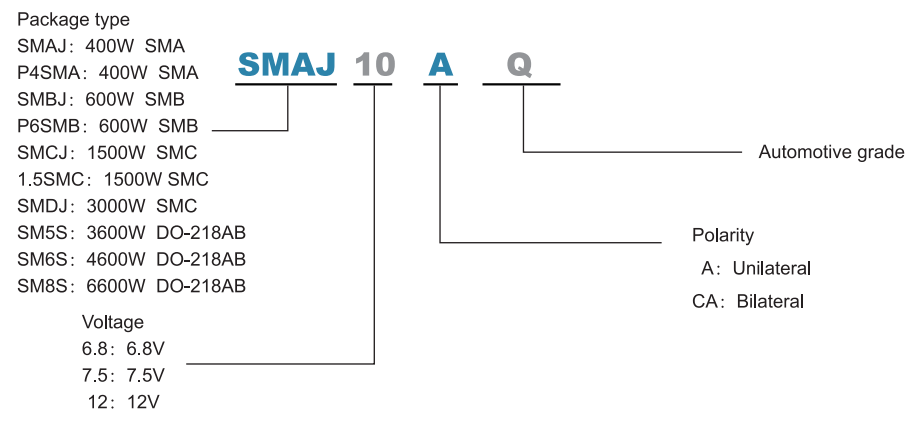
普通整流二极管
GENERAL PURPOSE RECTIFIER



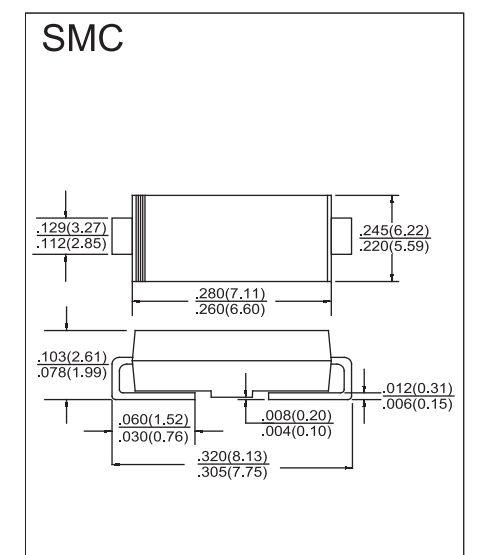
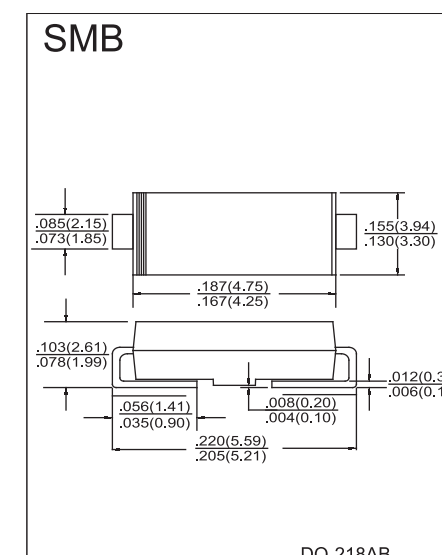
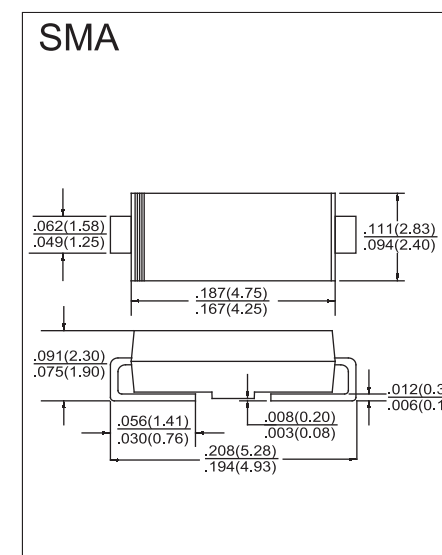
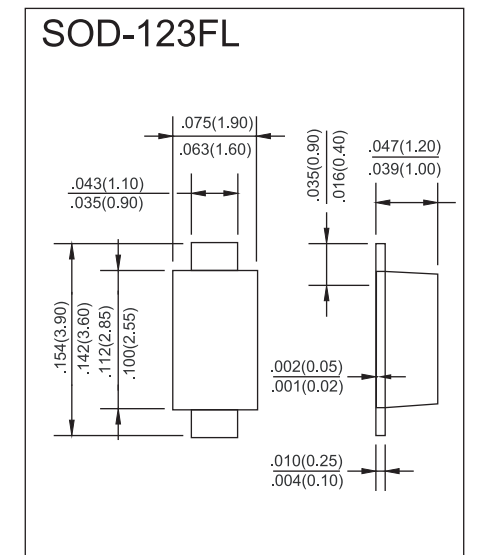
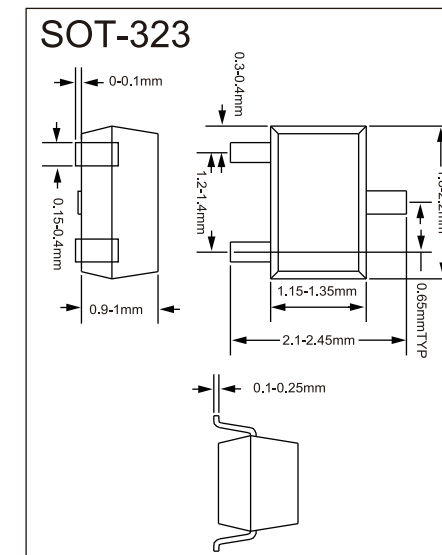
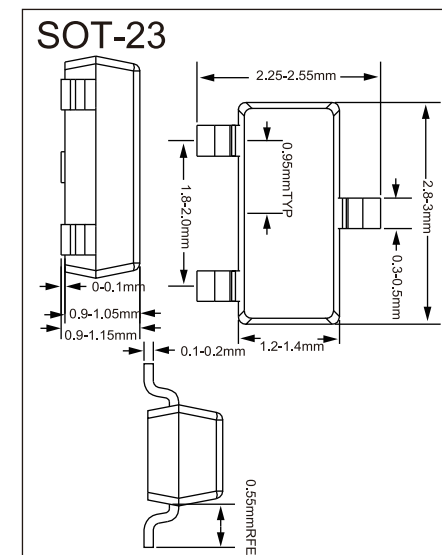
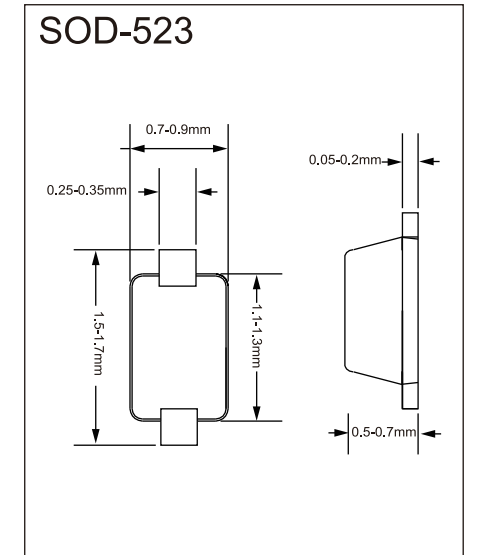
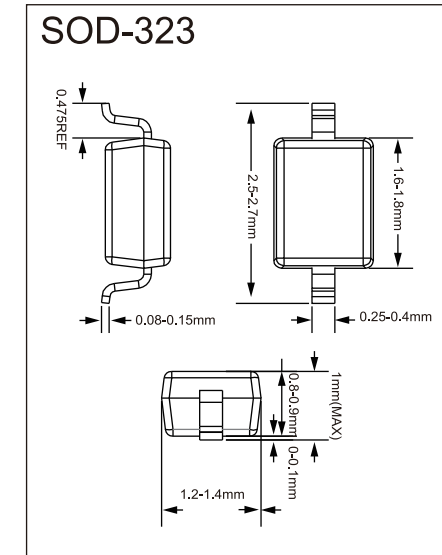
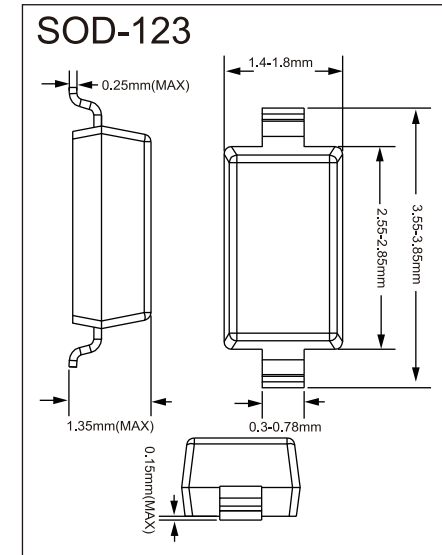
肖特基二极管
SCHOTTKY RECTIFIER

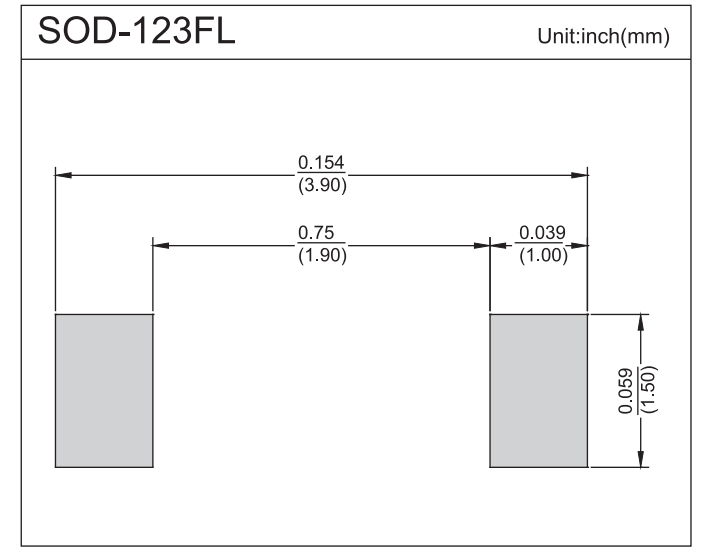
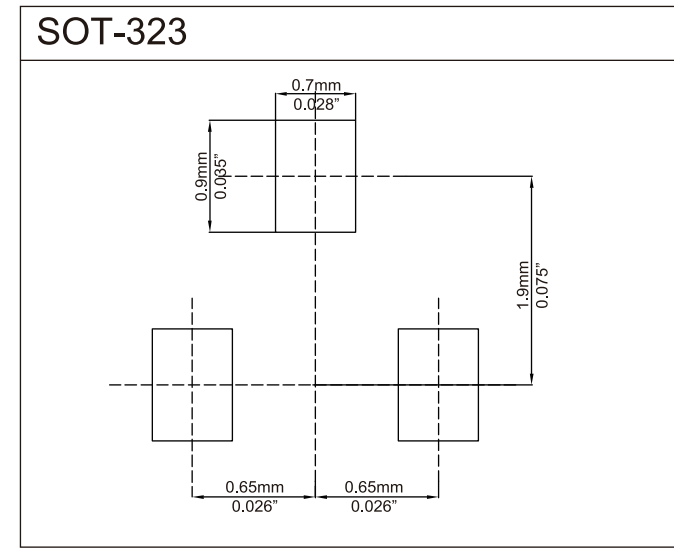
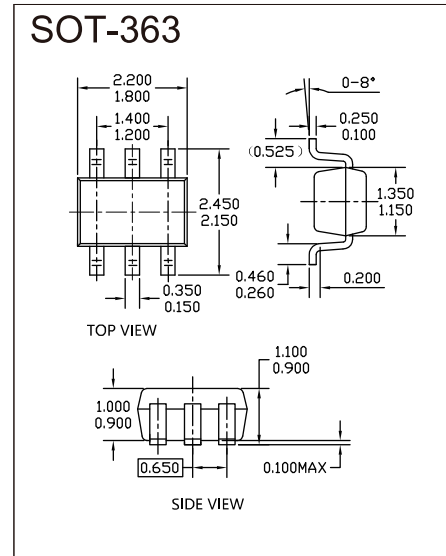
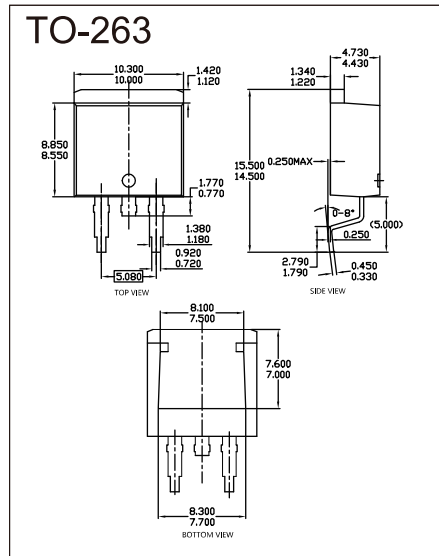
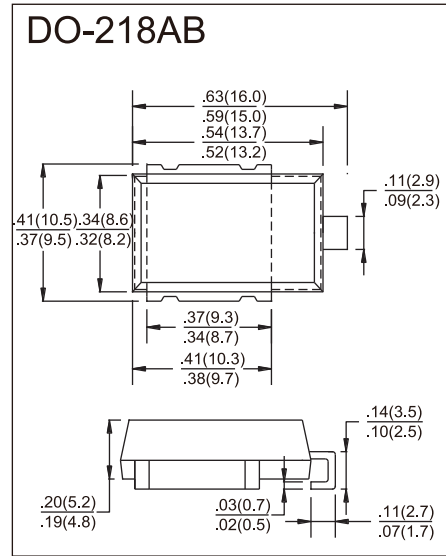


TVS二极管
TRANSIENT VOLTAGE SUPPRESSOR DIODE

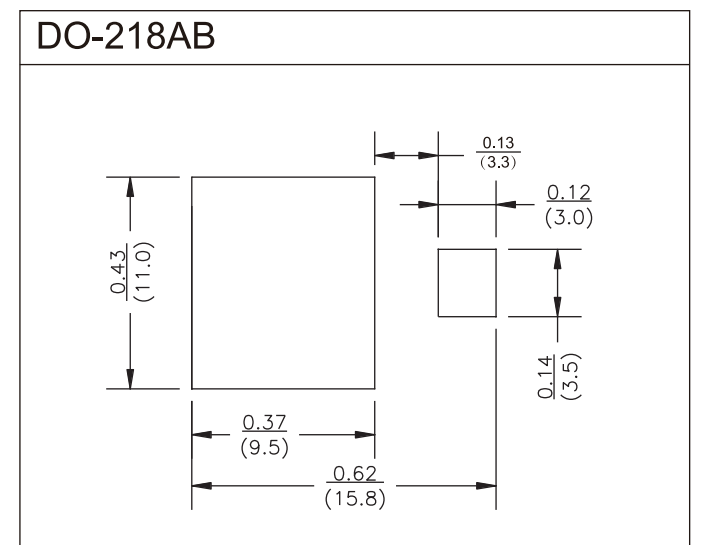
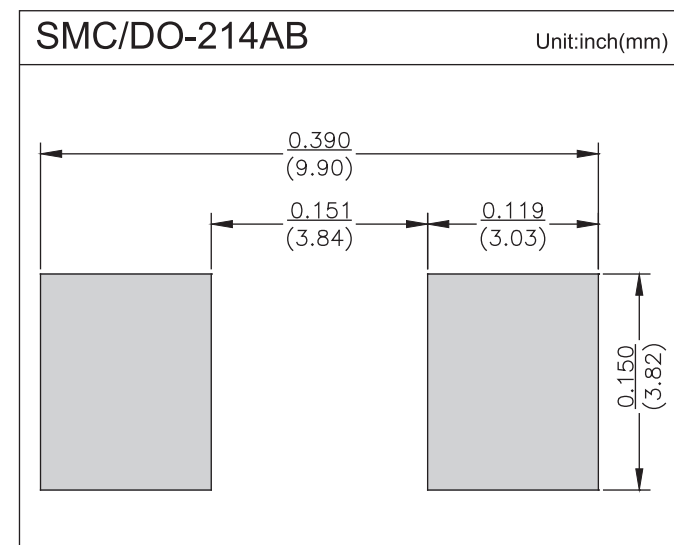
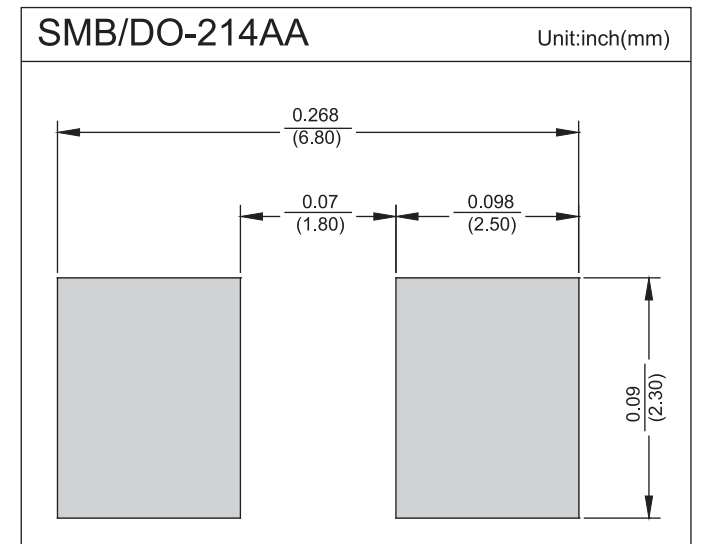
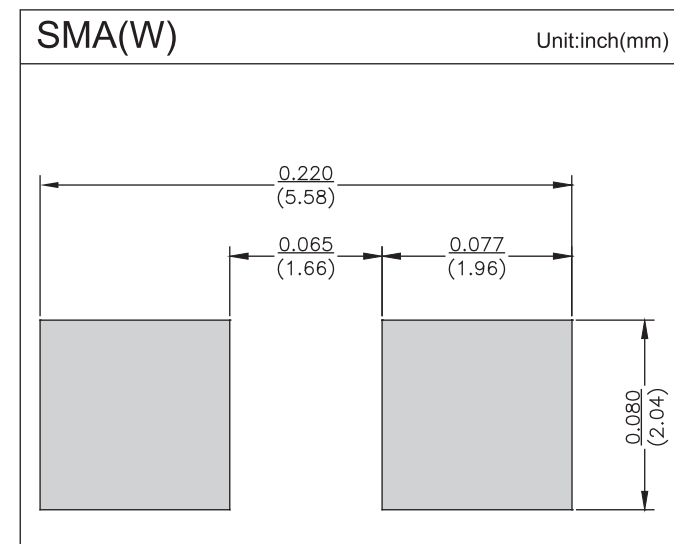
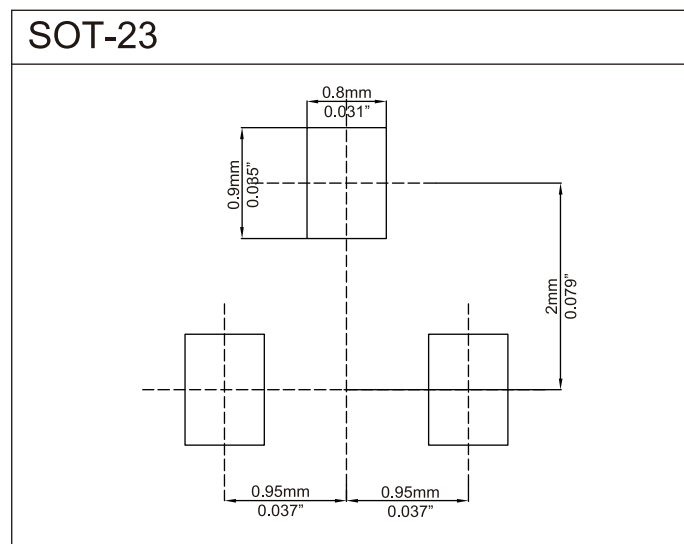
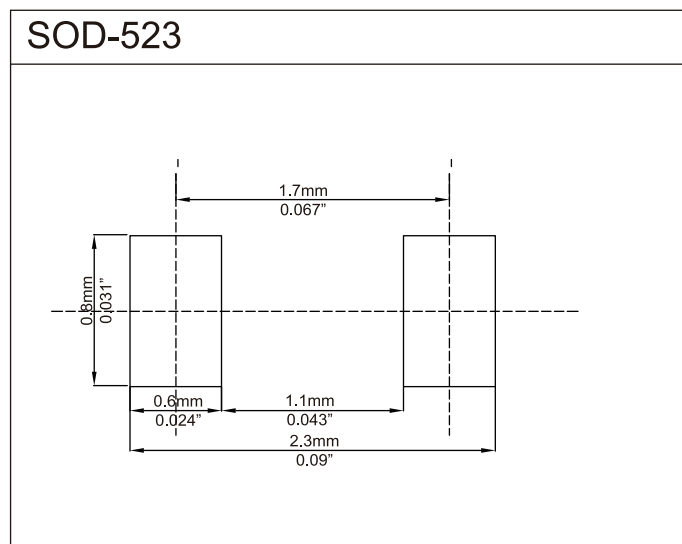
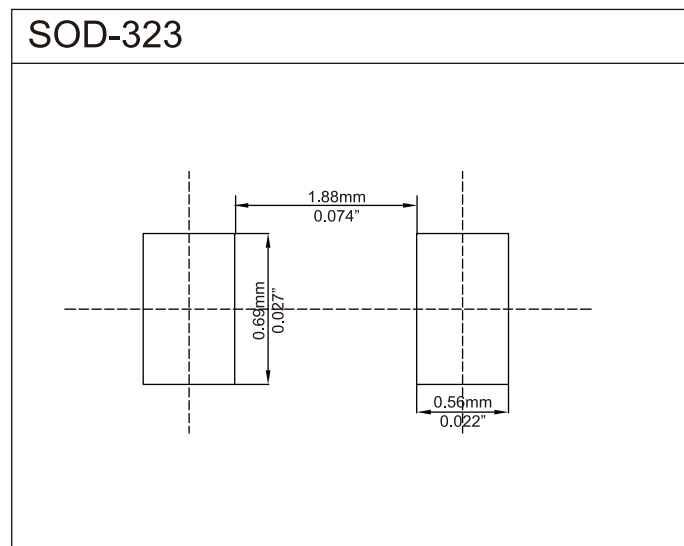
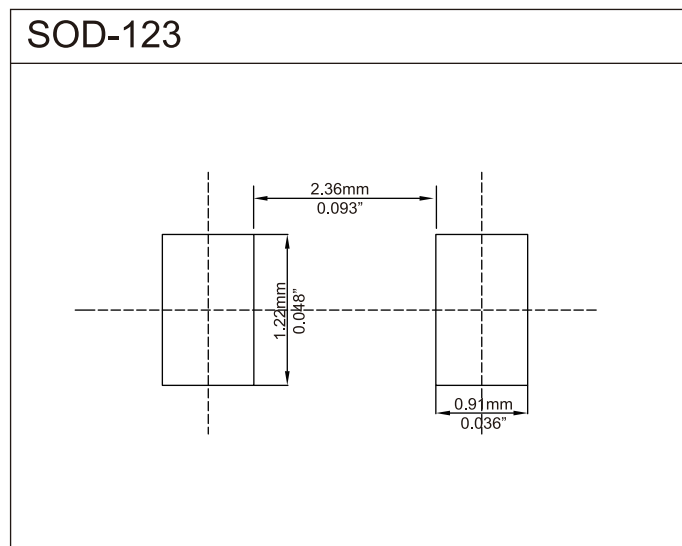


封装尺寸图
OUTLINE DRAWING

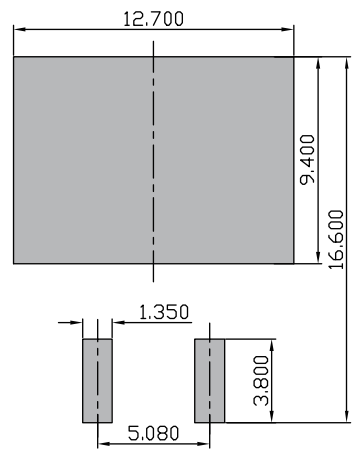




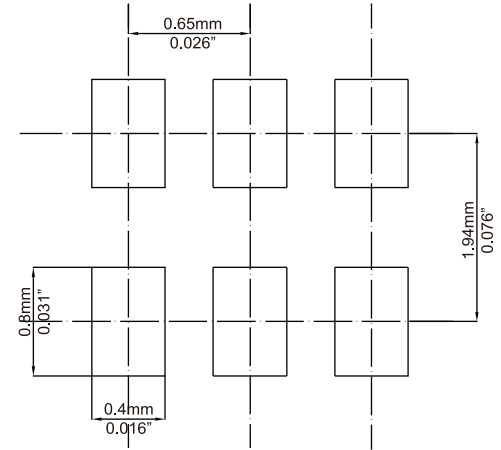
焊盘尺寸图
SUGGESTED PAD LAYOUT



TO-263



SOT-363



包装形态
PACKING

封装型号 Package No	包装代码 Packing Code	包装方式 Packing Method	PCS/(管/卷) Tube/Reel	只/盒 Pcs/Box	只/箱 Pcs/Carton	内盒尺寸 (mm) Inner Box Size			外箱尺寸 (mm) Carton Size			单盒重量 (±0.3Kg) Single box weight		整箱重量 (±0.5Kg) FCL weight	
						长 (L)	宽 (W)	高 (H)	长 (L)	宽 (W)	高 (H)	毛重 (KG)	净重 (KG)	毛重 (KG)	净重 (KG)
SOD-123	F2	Reel	3000	30000	120000	210	210	215	440	440	230	1.36	0.2975	6.5	1.2
SOD-323	F2	Reel	3000	30000	120000	210	210	215	440	440	230	1.28	0.14	6.2	0.6
SOD-523	F2	Reel	8000	80000	320000	210	210	215	440	440	230	1.29	0.16	6.4	0.6
SOT-23	F2	Reel	3000	30000	120000	210	210	215	440	440	230	1.48	0.2975	7.0	1.2
SOT-323	F2	Reel	3000	30000	120000	210	210	215	440	440	230	1.31	0.14	6.3	0.6
SOT-363	F2	Reel	3000	30000	120000	210	210	215	440	440	230	1.24	0.27	5.9	1.08
SOD-123FL	F1	Reel	3000	15000	120000	187	130	187	390	275	207	0.733	0.265	6.325	2.119
SMA	F2	Reel	7500	-	120000	-	-	-	355	345	290	1.854	1.008	16.044	8.062
SMB	F1	Reel	3000	-	48000	-	-	-	355	345	290	1.399	0.602	12.401	4.815
SMC	F1	Reel	3000	-	42000	-	-	-	355	345	315	2.423	1.522	18.169	10.653
DO-218AB	F1	Reel	750	750	3750	337	337	35	350	350	205	2.5	2.2	14	11
TO-252	F1	Reel	2500	5000	25000	360	340	52	380	360	300	2.54	1.5	13.62	7.5
TO-263	F2	Reel	800	1600	8000	335	335	65	370	350	350	3.15	2.26	16.7	11.3
TO-277	F1	Reel	5000	-	80000	-	-	-	360	360	360	1.94	1.056	16.2	9.108
PDFN5060	F1	Reel	5000	10000	100000	350	337	40	450	370	360	2.08	1.05	21.7	10.5
DFN3333	F1	Reel	5000	10000	100000	350	337	40	450	370	360	1.34	0.273	14.3	2.73
SOT-223	F2	Reel	2500	5000	25000	370	340	55	385	365	315			7.5	
SOT-89	F2	Reel	1000	8000	32000	187	130	187	390	275	207			5.0	

可靠性试验项目
Reliability Test Item

序号	试验项目 Test Item	试验条件 Condition	参考标准 Reference	实验时间 (Time)
1	预处理 (Pre-conditioning)	Performed on surface mount devices (SMDs) prior to TC,AC, H3TRB/HAST & IOL/PTC stresses only.	JESD22-A113	1. Temperature Cycling: -40 C ~ 60 C , 5cycles; 2. Bake: 125 C , 24H; 3. Moisture Soak: 85±2 C , 85±5%/168h; 4. Reflow*3cycles: 260 C , 3cycles time 5-60min
2	高温反偏 (High Temperature Reverse Bias)	Tjmax, 100%VR	JESD22-A108	1000Hrs
3	间歇老化 (Intermittent Operational Life)	ΔTj ≥ 100 C , 2min ON/2min OFF	MIL-STD-750 Method 1037	15000Cycles
4	高温高湿反偏 (High-Temperature High-humidity Reverse Bias)	85±2 C , 85±5%RH, 80%VR (Max=100V)	JESD22-A101	1000Hrs
4 alt	高加速寿命实验 (Highly Accelerated Stress Test)	130±2 C , 85±5%RH, OR 110±2 C , 85±5%RH 80%VR (Max=42V)	JESD22-A110	96Hrs OR 264Hrs
5	高温高湿 (High-temperature High-humidity storage test)	85±2 C , 85±5%RH	MIL-STD-202F METHOD-103B	1000Hrs
5-1	物理破坏性分析 (DPA)	After H3TRB, Visual Inspection, X-RAY, De-cap for Weld, De-cap for Die	NA	取H3TRB实验后材料48H内完成
6	温度循环试验 (Temperature Cycling)	150 C (+15, -0) /15min, -55 C (+0, -10) /15min	JESD22-A104	1000 cycles
6-1	物理破坏性分析 (DPA)	After TC, Visual Inspection, X-RAY, De-cap for Weld, De-cap for Die	NA	取TC实验后材料48H内完成
7	高温储存 (High Temperature Storage)	150 C (+10, -0)	JESD22-A103	1000Hrs
8	低温储存 (Low Temperature storage)	-55 C	Specification	1000H
9	高压蒸煮 (Auto-clave)	121 C ± 2 C , 15 psig, 100%RH	JESD22-A102	96Hrs
10	易焊性试验 (Solderability)	235 C ± 5 C	J-STD-002	3'
11	耐焊接热 (Resistance to solder heat)	DIP: 270±5 C SMD: 260 C (+5, -0)	JESD22-B106 JESD22-A111	DIP: 7'(+2, -0) SMD: 10
12	弯曲牢度 (Bending Strength)	φ0.6mm~0.78mm W=0.5Kg > φ1.20mm W=2Kg	MIL-STD-750 Method 2036	90±5° 3Times
13	终端牢度 (Terminal Strength)	φ0.6mm~φ0.78mm W=1Kg > φ1.20mm W=3Kg	MIL-STD-750 Method 2036	15'
14	正向浪涌试验 (Forward Surge Test)	8.3ms, Single, Half-Wave	MIL-STD-750 Method 4066	5Times
15	盐雾试验 (Salt Spray Test)	试验温度: 35±2 C , 氯化钠盐水浓度: 5±0.1%,	GB/T 2423.17-2008	24H
16	静电测试 (ESD)	HBM: 100pF, 1500Ω , GPP: 4KV; Others: 2KV;	AEC-Q101-001/002	1cycle
17	高温Gate偏压 (High Temperature Gate Bias)	Tjmax, 100%Vgs	JESD-A108	1000Hrs



扬州工厂 (6个园区):
5/6寸 FAB、IGBT、SiC、MOS、
整流桥、二极管、小信号等

宿迁工厂: 整流器件

无锡工厂: 6寸 FAB

长沙工厂: 8寸 FAB

雅安工厂: 外延片

成都工厂: 单晶硅棒、硅片

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