



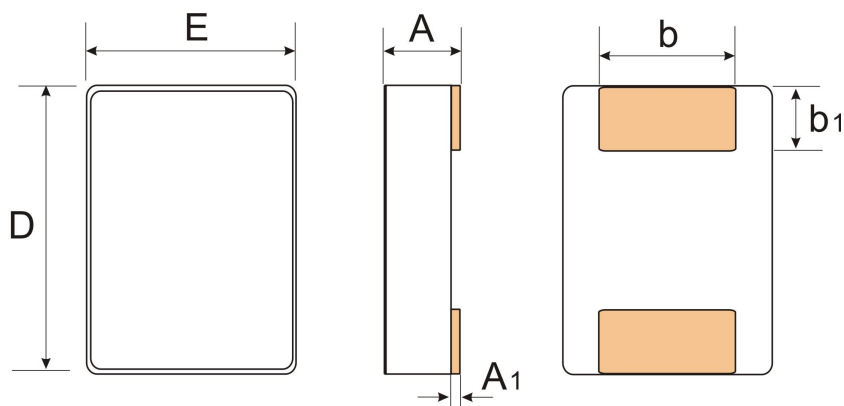
SY155（C）A～SY15510（C）A 型瞬态电压抑制二极管

（替代 SMCJ5.0（C）A～SMCJ510（C）A）

特点

- 响应时间快、瞬态功率大、漏电流小
- 芯片采用台面结构
- 金属陶瓷封装

封装外形：SMD-0.2AB



单位为毫米

尺寸符号	数 值		尺寸符号	数 值	
	最 小	最 大		最 小	最 大
A	—	3.05	b_1	2.15	2.85
A_1	—	0.5	D	—	8.23
b	3.75	4.35	E	—	6.22

SMD-0.2AB 外形尺寸

最大额定值

参数名称	符号	最大额定值	单位
峰值脉冲功率 ($T_A=25^{\circ}\text{C}$ ，10/1000 μs 指数波)	P_{PPM}	1500	W
工作温度	T_{amb}	$-55\sim 125$	$^{\circ}\text{C}$
贮存温度	T_{stg}	$-55\sim 150$	$^{\circ}\text{C}$

参数 型号	最大反 向工作 电压	击穿 电压 $V_{BR}@I_T$		测试 电流	最大箝位 电压 $@I_{PP}$	最大峰 值脉冲 电流	最大反 向电流 $@V_{RM}$	替代国外 产品型号
	V_{RM} (V)	最小值 (V)	最大值 (V)	I_T (mA)	V_C (V)	I_{PP} (A)	I_R (μ A)	
SY155A	5.0	6.40	7.00	10	9.2	163.0	800	SMCJ5.0A
SY155CA								SMCJ5.0CA
SY156A	6.0	6.67	7.37	10	10.3	145.6	800	SMCJ6.0A
SY156CA								SMCJ6.0CA
SY157A	7.0	7.78	8.60	10	12.0	125.0	200	SMCJ7.0A
SY157CA								SMCJ7.0CA
SY158A	8.0	8.89	9.83	1	13.6	110.3	50	SMCJ8.0A
SY158CA								SMCJ8.0CA
SY159A	9.0	10.0	11.1	1	15.4	97.4	10	SMCJ9.0A
SY159CA								SMCJ9.0CA
SY1510A	10.0	11.1	12.3	1	17.0	88.2	5	SMCJ10A
SY1510CA								SMCJ10CA
SY1511A	11.0	12.2	13.5	1	18.2	82.4	2	SMCJ11A
SY1511CA								SMCJ11CA
SY1512A	12.0	13.3	14.7	1	19.9	75.3	2	SMCJ12A
SY1512CA								SMCJ12CA
SY1513A	13.0	14.4	15.9	1	21.5	69.7	2	SMCJ13A
SY1513CA								SMCJ13CA
SY1514A	14.0	15.6	17.2	1	23.2	64.7	2	SMCJ14A
SY1514CA								SMCJ14CA
SY1515A	15.0	16.7	18.5	1	24.4	61.5	2	SMCJ15A
SY1515CA								SMCJ15CA
SY1516A	16.0	17.8	19.7	1	26.0	57.7	2	SMCJ16A
SY1516CA								SMCJ16CA
SY1517A	17.0	18.9	20.9	1	27.6	54.4	2	SMCJ17A
SY1517CA								SMCJ17CA
SY1518A	18.0	20.0	22.1	1	29.2	51.4	2	SMCJ18A
SY1518CA								SMCJ18CA
SY1520A	20.0	22.2	24.5	1	32.4	46.3	2	SMCJ20A
SY1520CA								SMCJ20CA
SY1522A	22.0	24.4	26.9	1	35.5	42.2	2	SMCJ22A
SY1522CA								SMCJ22CA
SY1524A	24.0	26.7	29.5	1	38.9	38.6	2	SMCJ24A
SY1524CA								SMCJ24CA
SY1526A	26.0	28.9	31.9	1	42.1	35.6	2	SMCJ26A
SY1526CA								SMCJ26CA

SY1528A	28.0	31.1	34.4	1	45.4	33.0	2	SMCJ28A
SY1528CA								SMCJ28CA
SY1530A	30.0	33.3	36.8	1	48.4	31.0	2	SMCJ30A
SY1530CA								SMCJ30CA
SY1533A	33.0	36.7	40.6	1	53.3	28.1	2	SMCJ33A
SY1533CA								SMCJ30CA
SY1536A	36.0	40.0	44.2	1	58.1	25.8	2	SMCJ33A
SY1536CA								SMCJ33CA
SY1540A	40.0	44.4	49.1	1	64.5	23.2	2	SMCJ40A
SY1540CA								SMCJ40CA
SY1543A	43.0	47.8	52.8	1	69.4	21.6	2	SMCJ43A
SY1543CA								SMCJ43CA
SY1545A	45.0	50.0	55.3	1	72.7	20.6	2	SMCJ45A
SY1545CA								SMCJ45CA
SY1548A	48.0	53.3	58.9	1	77.4	19.4	2	SMCJ48A
SY1548CA								SMCJ48CA
SY1551A	51.0	56.7	62.7	1	82.4	18.2	2	SMCJ51A
SY1551CA								SMCJ51CA
SY1554A	54.0	60.0	66.3	1	87.1	17.2	2	SMCJ54A
SY1554CA								SMCJ54CA
SY1558A	58.0	64.4	71.2	1	93.6	16.0	2	SMCJ58A
SY1558CA								SMCJ58CA
SY1560A	60.0	66.7	73.7	1	96.8	15.5	2	SMCJ60A
SY1560CA								SMCJ60CA
SY1564A	64.0	71.1	78.6	1	103.0	14.6	2	SMCJ64A
SY1564CA								SMCJ64CA
SY1570A	70.0	77.8	86.0	1	113.0	13.3	2	SMCJ70A
SY1570CA								SMCJ70CA
SY1575A	75.0	83.3	92.1	1	121.0	12.4	2	SMCJ75A
SY1575CA								SMCJ75CA
SY1578A	78.0	86.7	95.8	1	126.0	11.9	2	SMCJ78A
SY1578CA								SMCJ78CA
SY1585A	85.0	94.4	104.0	1	137.0	10.9	2	SMCJ85A
SY1585CA								SMCJ85CA
SY1590A	90.0	100.0	111.0	1	146.0	10.3	2	SMCJ90A
SY1590CA								SMCJ90CA
SY15100A	100.0	111.0	123.0	1	162.0	9.3	2	SMCJ100A
SY15100CA								SMCJ100CA
SY15110A	110.0	122.0	135.0	1	177.0	8.4	2	SMCJ110A
SY15110CA								SMCJ110CA
SY15120A	120.0	133.0	147.0	1	193.0	7.8	2	SMCJ120A
SY15120CA								SMCJ120CA



SY15130A	130.0	144.0	159.0	1	209.0	7.2	2	SMCJ130A
SY15130CA								SMCJ130CA
SY15150A	150.0	167.0	185.0	1	243.0	6.2	2	SMCJ150A
SY15150CA								SMCJ150CA
SY15160A	160.0	178.0	197.0	1	259.0	5.8	2	SMCJ160A
SY15160CA								SMCJ160CA
SY15170A	170.0	189.0	209.0	1	275.0	5.5	2	SMCJ170A
SY15170CA								SMCJ170CA
SY15180A	180.0	200.0	230.4	1	290.0	5.2	2	SMCJ180A
SY15180CA								SMCJ180CA
SY15190A	190.0	211.0	243.1	1	306.0	4.9	2	SMCJ190A
SY15190CA								SMCJ190CA
SY15200A	200.0	222.0	256.0	1	322.0	4.7	2	SMCJ200A
SY15200CA								SMCJ200CA
SY15210A	210.0	233.0	268.8	1	339.0	4.4	2	SMCJ210A
SY15210CA								SMCJ210CA
SY15220A	220.0	244.0	281.6	1	355.0	4.2	2	SMCJ220A
SY15220CA								SMCJ220CA
SY15250A	250.0	278.0	309.0	1	403.0	3.7	2	SMCJ250A
SY15250CA								SMCJ250CA
SY15300A	300.0	333.0	371.0	1	484.0	3.1	2	SMCJ300A
SY15300CA								SMCJ300CA
SY15350A	350.0	389.0	432.0	1	565.0	2.7	2	SMCJ350A
SY15350CA								SMCJ350CA
SY15400A	400.0	444.0	494.0	1	645.0	2.3	2	SMCJ400A
SY15400CA								SMCJ400CA
SY15440A	440.0	489.0	543.0	1	710.0	2.1	2	SMCJ440A
SY15440CA								SMCJ440CA
SY15460A	460.0	513.0	594.0	1	740.0	2.0	2	SMCJ460A
SY15460CA								SMCJ460CA
SY15510A	510.0	570.0	630.0	1	822.0	1.8	2	SMCJ510A
SY15510CA								SMCJ510CA

注：产品型号中有“C”表示双向器件，无“C”表示单向器件。