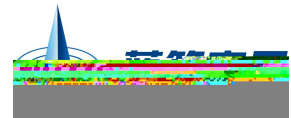


1SMA5913A~1SMA5957A

Rev.B Jun.-2021



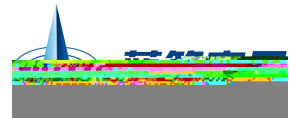
DATA SHEET

修订记录 / Revised record

A	2019-7-4	ALL	SMA-W-1SMA5913A_1SMA5957A		
B	2021-6-7	4/7	b 5 50000 7 70000 340X340X40、350X350X230 336X336X40、380X335X366		

1SMA5913A~1SMA5957A

Rev.B Jun.-2021



DATA SHEET

描述 / Descriptions

SMA

Zener Diode in a SMA Plastic Package.

特征 / F

1.5W

3.3~240V

Total power dissipation: Max. 1.5W, Wide zener reverse voltage range 3.3V to 240V, Small plastic package suitable for surface mounted design. HF Product.

General purpose.

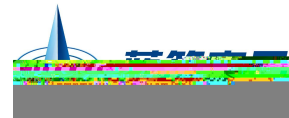


印章代码 / Marking

See Marking Instructions.

1SMA5913A~1SMA5957A

Rev.B Jun.-2021

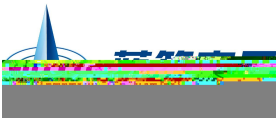


DATA SHEET

Parameter	Symbol	Rating	Unit
power dissipation at TL=75°C	P_D	1.5	W
Forward Voltage at IF = 200 mA	VF	1.5	V
Junction Temperature Range	T_J	- 55 to + 150	°C
Storage Temperature Range	T_{STG}	- 55 to + 150	°C

Type7 (note1)	Marking (note1)	Zener Voltage Range (note2)				Dynamic Impedance	Reverse Current		Admissible Zener Current
		V_{ZT} (at I_{ZT})			at I_{ZT}	Z_{ZT} (at I_{ZT})	I_R	at V_R	
		Min (V)	Nom (V)	Max (V)	(mA)	Max (Ω)	Max(μA)	(V)	I_{ZM} (mA)
1SMA5913A	913A	2.97	3.3	3.63	113.6	10	100	1	454
1SMA5914A	914A	3.24	3.6	3.96	104.2	9.0	75	1	416
1SMA5915A	915A	3.51	3.9	4.29	96.1	7.5	25	1	384
1SMA5916A	916A	3.87	4.3	4.73	87.2	6.0	5	1	348
1SMA5917A	917A	4.23	4.7	5.17	79.8	5.0	5	1.5	319
1SMA5918A	918A	4.59	5.1	5.61	73.5	4.0	5	2	294
1SMA5919A	919A	5.04	5.6	6.16	66.9	2.0	5	3	267
1SMA5920A	920A	5.58	6.2	6.82	60.5	2.0	5	4	241
1SMA5921A	921A	6.12	6.8	7.48	55	2.5	5	5.2	220
1SMA5922A	922A	6.75	7.5	8.25	49.5	3.0	5	6	200
1SMA5923A	923A	7.47	8.2	9.03	44.5	3.5	5	6.5	182
1SMA5924A	924A	8.24	9.0	9.96	40.2	4.0	5	7	164
1SMA5925A	925A	9.0	10	11	37.5	4.5	5	8	150

1SMA5913A~1SMA5957A
Rev.B Jun.-2021

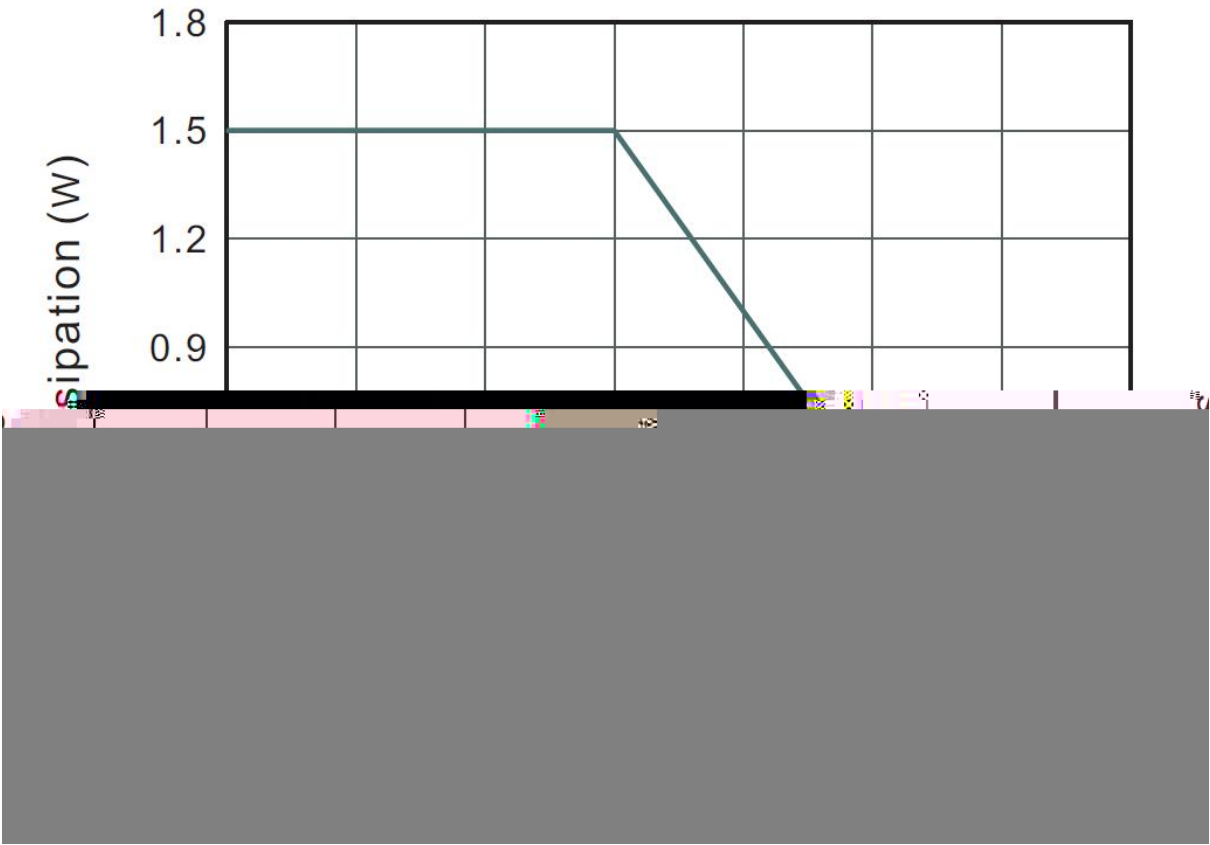


DATA SHEET

Type (note1)	Marking (note1)	Zener Voltage Range (note2)				Dynamic Impedance	Reverse Current		Admissible Zener Current
		VZT (at IZT)			at IZT	ZZT(at IZT)	IR	at VR	
		Min (V)	Nom (V)	Max (V)	(mA)	Max (Ω)	Max(μ a)	(V)	IZM (mA)
1SMA5931A	931A	16.2	18	19.8	21	12	1	13.7	83
1SMA5932A	932A	18	20	22	19	14	1	15.2	75
1SMA5933A	933A	19.8	22	24.2	17	18	1	16.7	68

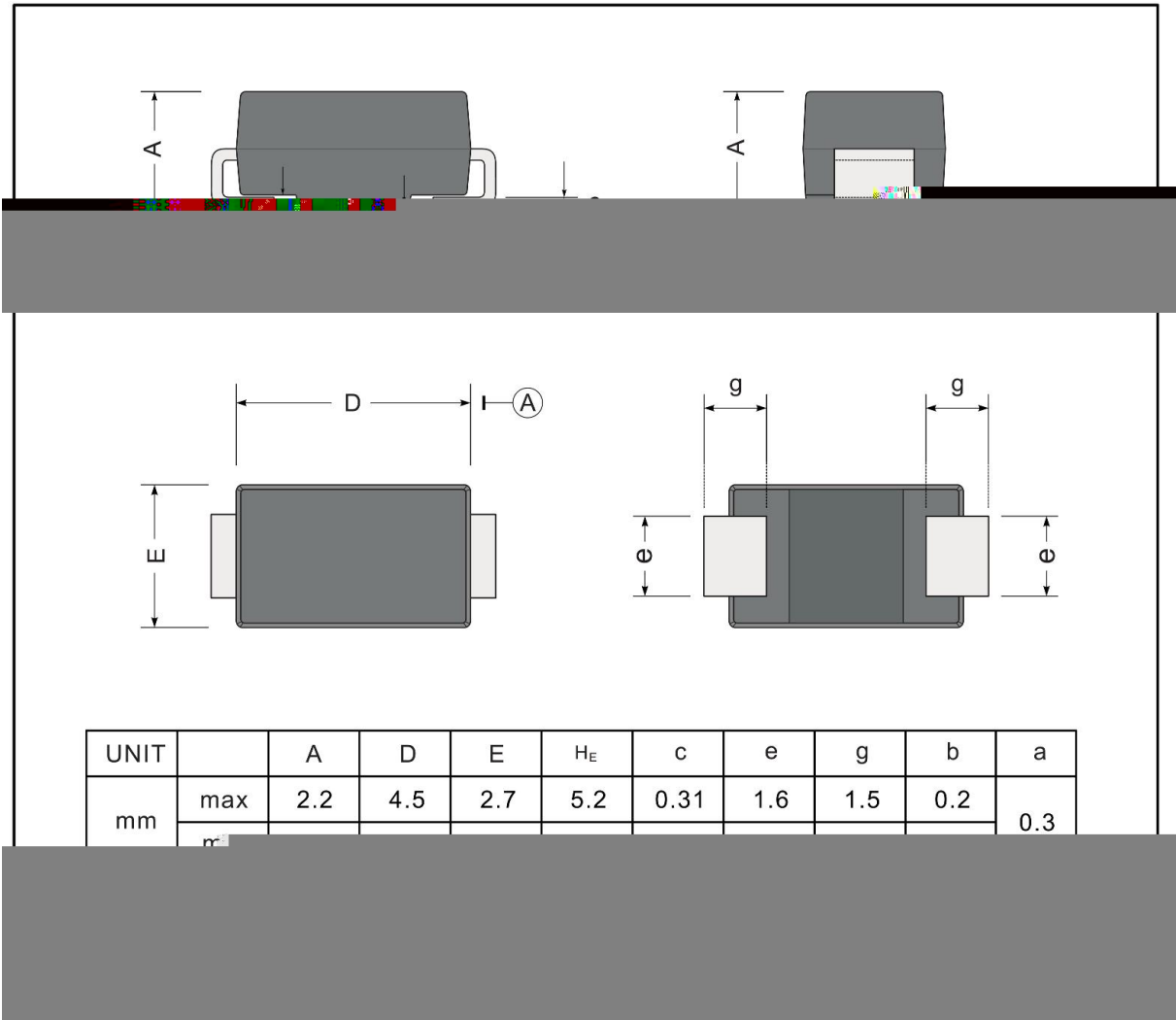
电参数曲线图 / Electrical Characteristic Curve

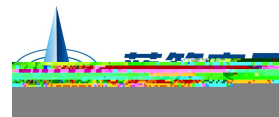
Fig.1 Maximum Continuous Power Derating



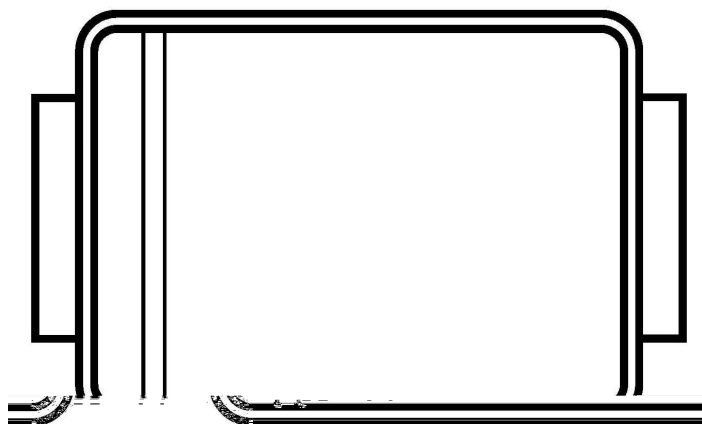
外形尺寸图 / Package Dimensions

SMA





印章说明 / Marking Instructions



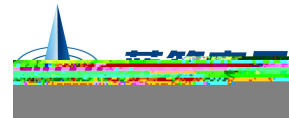
说明：

913A ： 为型号代码

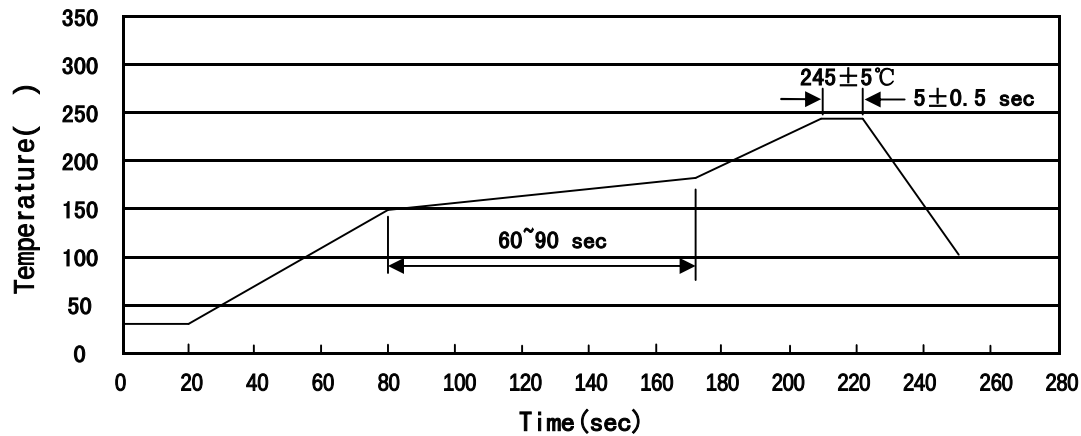
**** ： 为生产批号追溯码，第 1 个*为年月代码，后面 3 个*为当月小批号代码

Note:

913A ：



回流焊温度曲线图(无铅) / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|----|-----------|--|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180°C, Time:60~90sec. |
| 2 | 245±5 | | | 5±0.5sec; | 2.Peak Temp.:245±5°C, Duration:5±0.5sec. |
| 3 | | | 2 | 10°C/sec. | 3. Cooling Speed: 2~10°C/sec. |

耐焊接热试验条件 / Resistance to Soldering Heat Test Conditions

260±5°C 10±1 sec. Temp.:260±5°C Time:10±1 sec

包装规格 / Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box	Outer Box
SMA	5000	2	10000	7	70000	13" ×12	336X336X40	380X335X366

使用说明 / Notices