



描述

SMA
Zener Diode in a SMA Plastic Package.

特征

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.



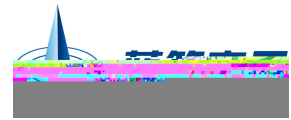
印章代码

See Marking Instructions.



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 Z _{ZT} (at I _{ZT})	Reverse Current		Admissible Zener Current I _{ZM} (mA)
		V _{ZT} (at I _{ZT})			at I _{ZT}		I _R	at V _R	
		Min (V)	Nom (V)	Max (V)	(mA)	Max (Ω)	Max(μ A)	(V)	
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	50	3.0	5	6	200
1SMA5923A	923A	7.38	8.2	9.02	45.7	3.5	5	6.5	182
1SMA5924A	924A	8.19	9.0	9.9	41.8	4.0	5	7	164
1SMA5925A	925A	9.0	10	11	37.5	4.5	5	8	150



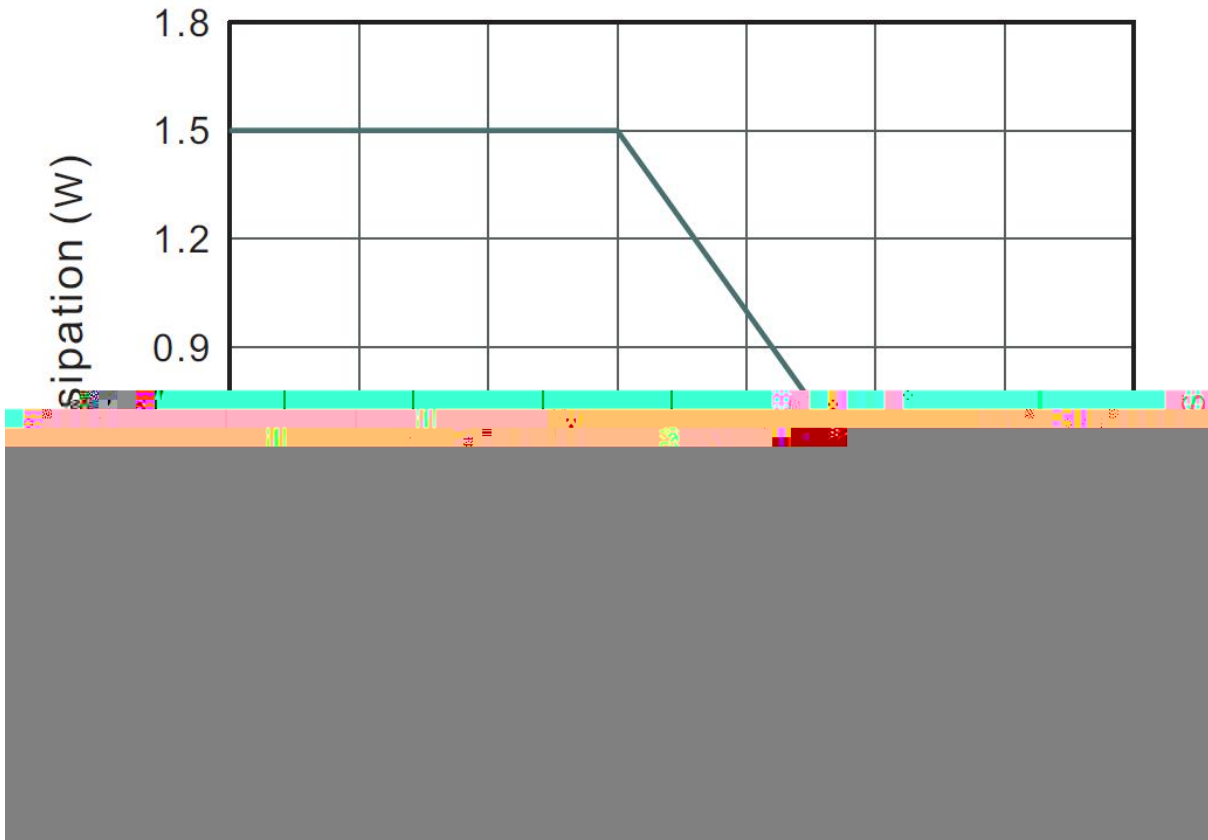
Rev.B Jun.-2021

Type (note1)	Marking (note1)	Zener Voltage Range (note2)				Dynamic Impedance	Reverse Current		Admissible Zener Current
		VZT (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(μ a)	(V)	I _{ZM} (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

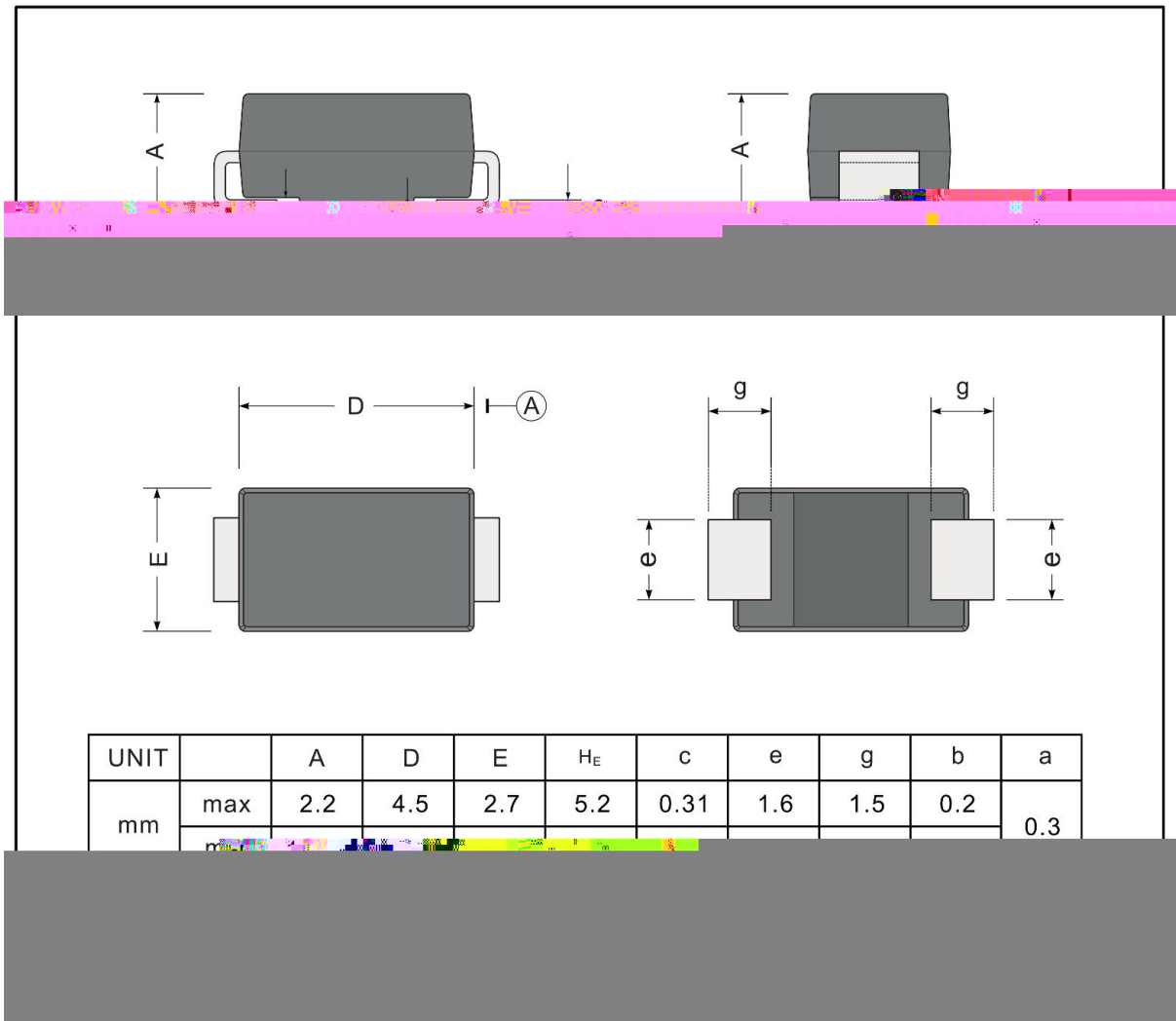
Fig.1 Maximum Continuous Power Derating





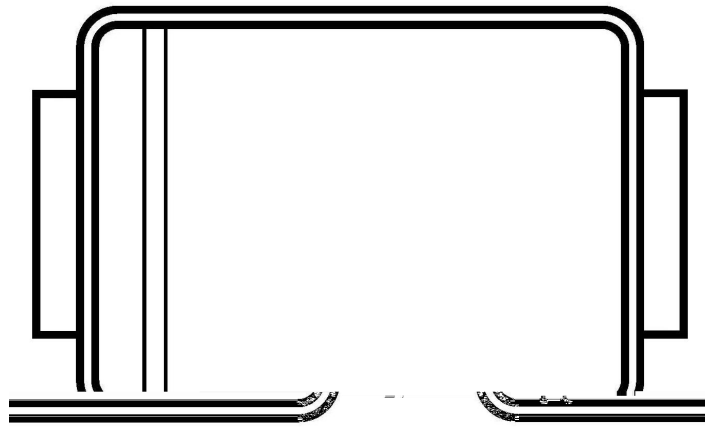
外形尺寸图

SMA





印章说明



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

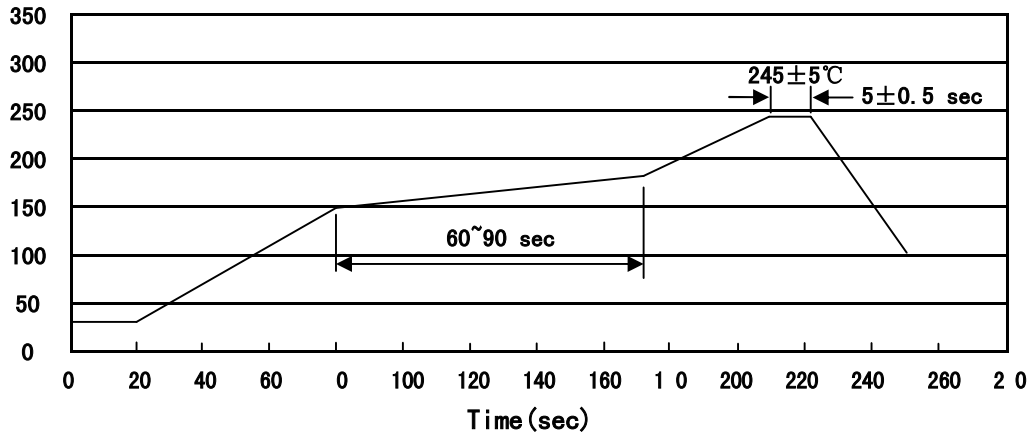
Note:

913A :



Rev.B Jun.-2021

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

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

包装规格

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (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 盒	Outer Box 箱
SMA	5000	2	10000	7	70000	13" ×12	336X336X40	380X335X366

使用说明