

A	2019-5-8	ALL			

1SMA5913B~1SMA5957B

Rev. B Mar.-2021



DATA SHEET

SMA

Zener Diode in a SMA Plastic Package.

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.

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DATA SHEET

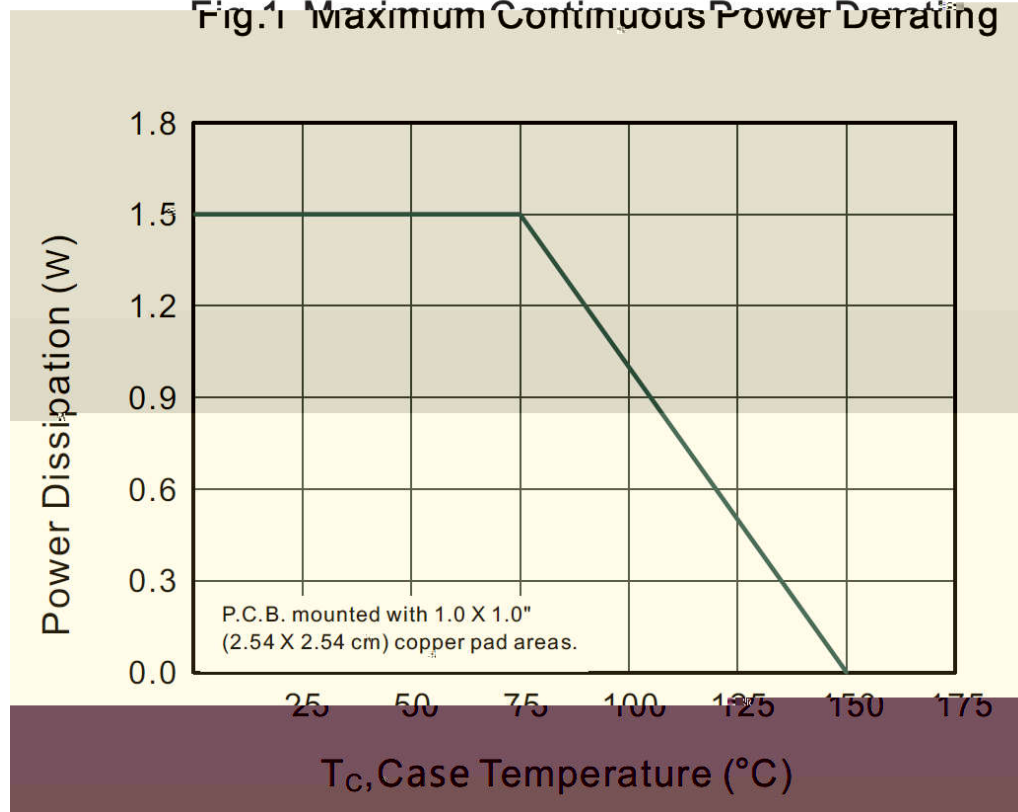
Parameter	Symbol	Rating	Unit
power dissipation at $T_L=75^{\circ}\text{C}$	P_D	1.5	W
Forward Voltage at $I_F = 200\text{ mA}$	V_F	1.5	V
		25	
		- 55 to + 150	
		- 55 to + 150	

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} (I_{ZT})	at I_R	at V_R	
		Min (V)	Nom (V)	Max (V)	(mA)	Max (Ω)	Max(μA)	(V)	I_{ZM} (mA)
1SMA5913B	913B	3.13	3.3	3.47	113.6	10	100	1	454

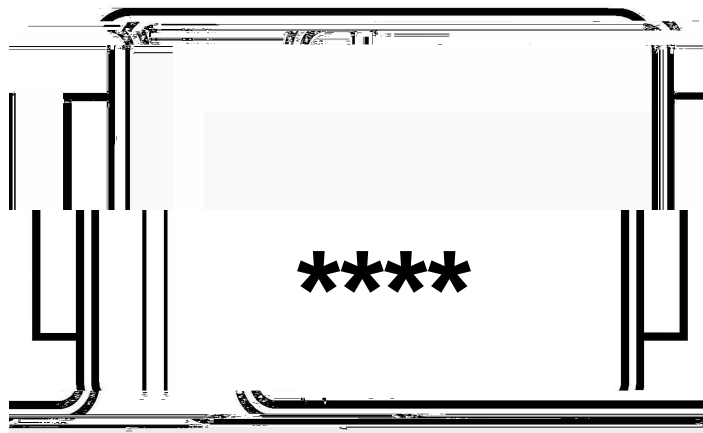
Type (note1)	Marking (note1)	Zener Voltage Range (note2)				Dynamic Impedance	Reverse Current		Admissible Zener Current I _{ZM} (mA)
		V _{ZT} (at I _{ZT})			at I _{ZT}	Z _{ZT} (at I _{ZT})	I _R	at V _R	
		Min (V)	Nom (V)	Max (V)	(mA)	Max (Ω)	Max(μ a)	(V)	
1SMA5931B	931B	16.8	18	19.2	21	12	1	13.7	83
1SMA5932B	932B	19.0	20	21.2	19	14	1	15.2	75
1SMA5933B	933B	20.8	22	23.3	17	18	1	16.7	68
1SMA5934B	934B	22.8	24	25.2	16	19	1	18.2	
1SMA5935B	935B	25.3	27	28.9	14				

/ Electrical Characteristic Curve

Fig.1 Maximum Continuous Power Derating



/ Marking Instructions



913B

1

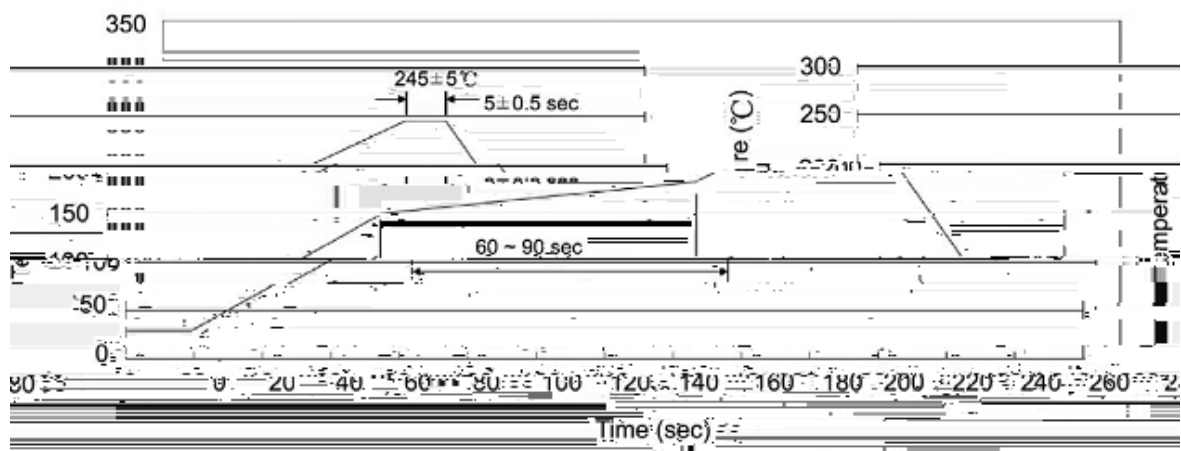
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Note:

913B Product Type Code

Lot No. Code The 1st means:YM Code The last 3 means:little Lot
No Code

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Note:

- 1

150 180

60 90sec;
- 2
- 1.Preheating:150~180 , Time:60~90sec.