

1SMA5913B~1SMA5957B

Rev. B Mar.-2021



DATA SHEET

A	2019-5-8	ALL			

1SMA5913B~1SMA5957B

Rev. B Mar.-2021

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.

Parameter	Symbol	Rating	Unit
power dissipation at TL=75°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	C

Type7 (note1)	Marking (note1)	Zener Voltage Range (note2)			at I_{ZT} (mA)	Dynamic Impedance Z_{ZT} (I_{ZT}) Max ()	Reverse Current		Admissible Zener Current I_{ZM} (mA)
		V_{ZT} (at I_{ZT})					at I_R	at V_R	
		Min (V)	Nom (V)	Max (V)			Max (μ A)	(V)	
1SMA5913B	913B	3.13	3.3	3.47	113.6	10	100	1	454

1SMA5913B~1SMA5957B

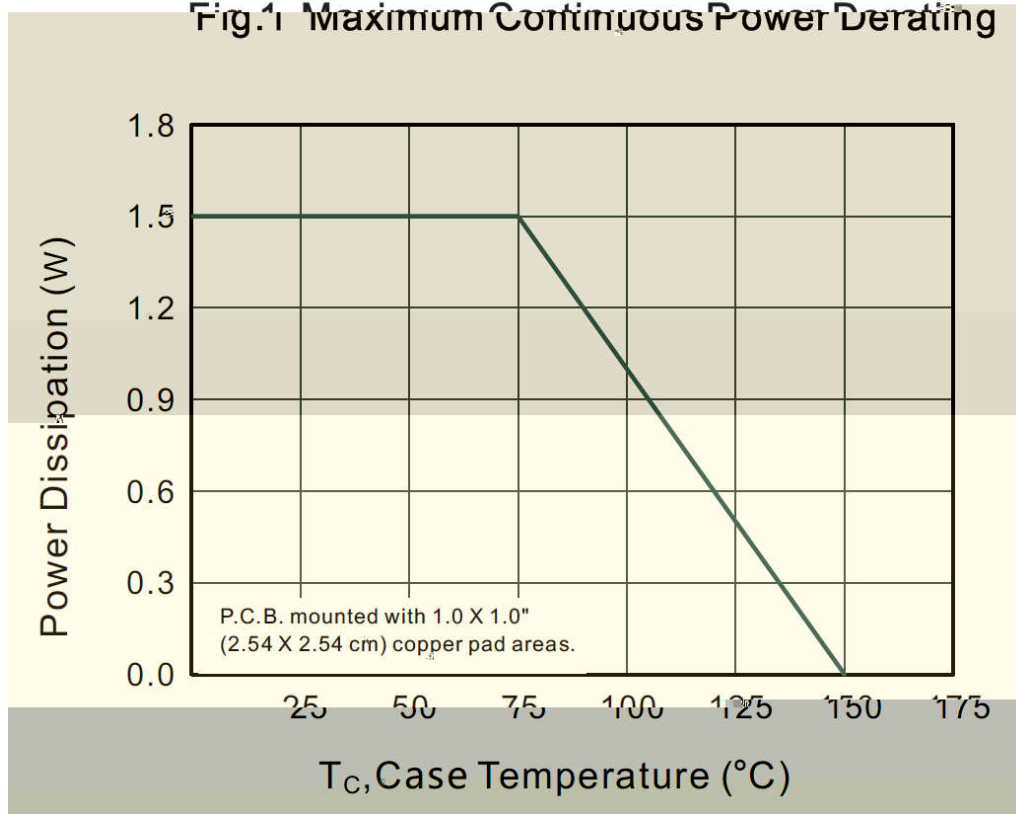
Rev. B Mar.-2021



DATA SHEET

Type (note1)	Marking (note1)	Zener Voltage Range (note2)				Dynamic Impedance $Z_{ZT}(at I_{ZT})$	Reverse Current		Admissible Zener Current $I_{ZM}(mA)$
		VZT (at I_{ZT})			at I_{ZT}		I_R	at V_R	
		Min (V)	Nom (V)	Max (V)	(mA)	Max ()	Max(μa)	(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				

Fig.1 Maximum Continuous Power Derating



1SMA5913B~1SMA5957B

Rev. B Mar.-2021

89 / Marking Instructions



913B

1 :

3 :

Note:

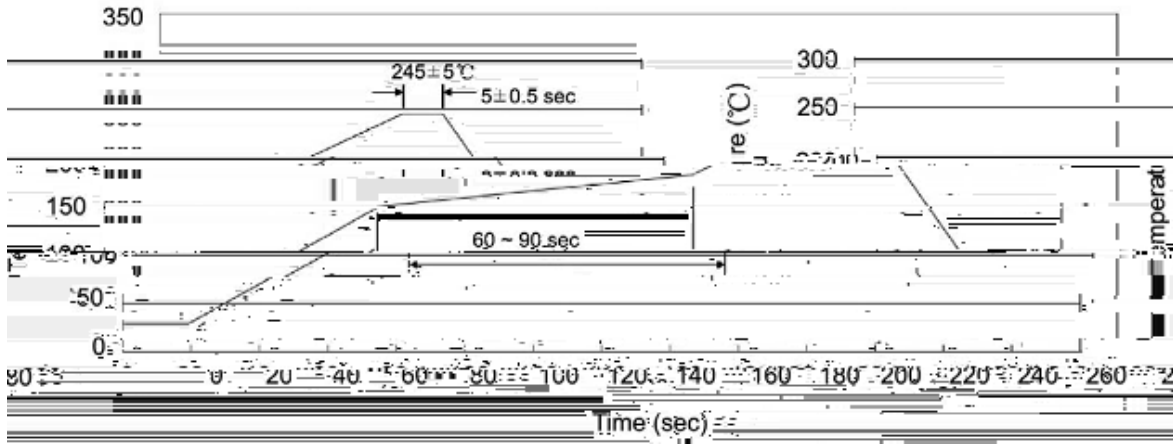
913B

Product Type Code

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

No Code

< = > ? @ 1 2 3 (A B) / CDE FDGHJ K L M N O P Q R S T U V W X Y Z [\]



Note:

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