

1SMA4728A~1SMA4777A

Rev.B Jun.-2021



DATA SHEET

! / Revised record

A	2019-7-3	ALL	SMA-W-1SMA4728A_1SMA4777A		
B	2021-6-7	4/7	b 5 50000 7 70000 340X340X40、350X350X230 336X336X40、380X335X366		

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DATA SHEET

& ' / Descriptions

SMA

Silicon Planar Zener Diodes, SMA package

() / Features

1.0W

3.3~330V

Total power dissipation: Max. 1.0W, Wide zener reverse voltage range 3.3V to 330V, Small plastic package suitable for surface mounted design. HF Product.

* + / Applications

1W

1W power dissipation, automated assembly processes.

, - . / 0 1 / Equivalent Circuit

2 3 4 5 / Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode



" # \$ % / Marking

See Marking Instructions.

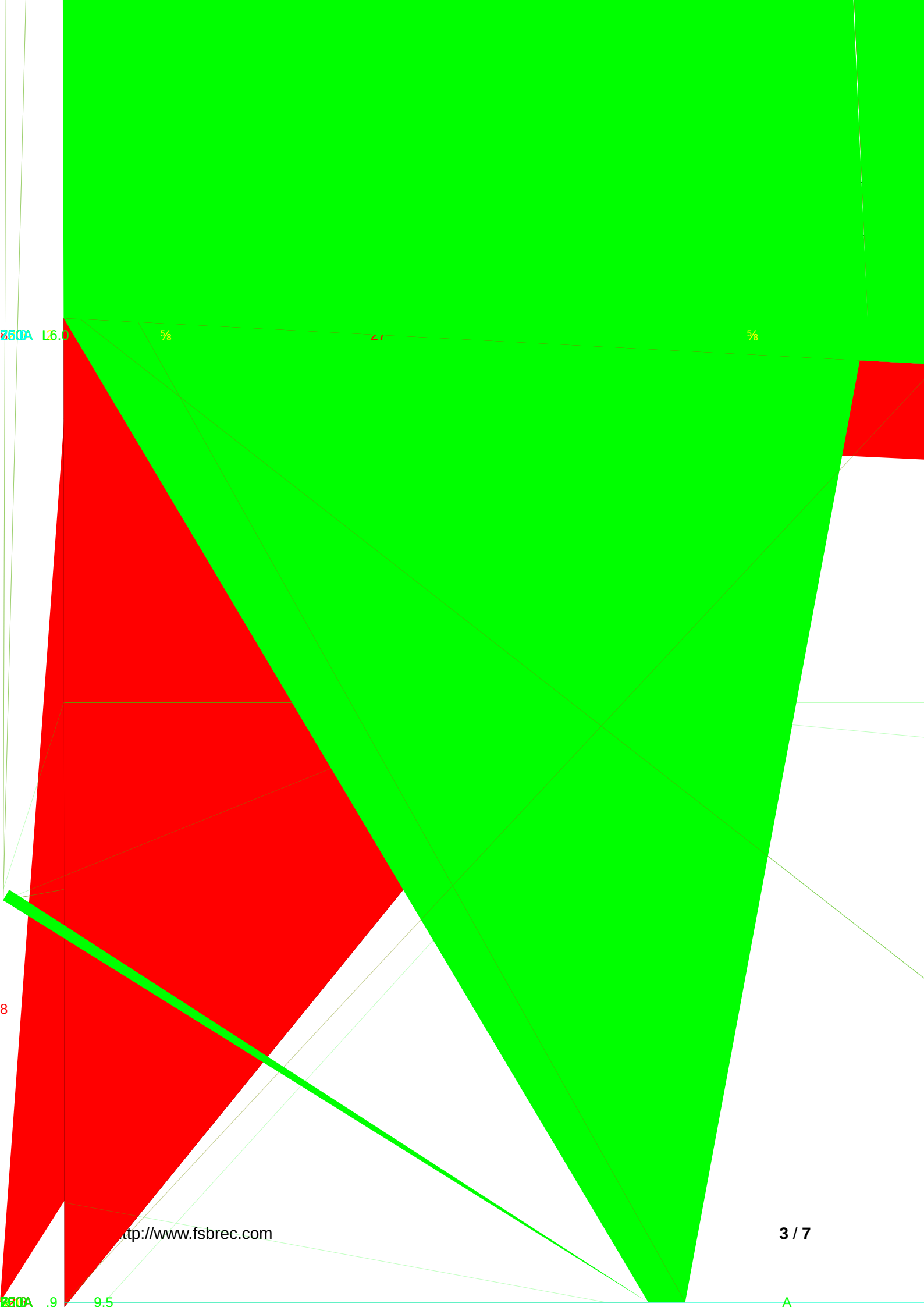
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Parameter	Symbol	Rating	Unit
power dissipation at TL=75°C	P_D	1.0	W
Forward Voltage at IF = 200 mA	VF	1.2	V
Junction Temperature Range	T_J	- 55 to + 150	°C
Storage Temperature Range	T_{STG}	- 55 to + 150	°C

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(μ A)	(V)	I_{ZM} (mA)
1SMA4728A	728A	3.10	3.3	3.50	75	10	100	1	285
1SMA4729A	729A	3.40	3.6	3.80	69	10	100	1	263
1SMA4730A	730A	3.70	3.9	4.10	64	9.0	50	1	243
1SMA4731A	731A	4.06	4.3	4.56	58	9.0	25	1	219
1SMA4732A	732A	4.50	4.7	4.93	53	8.0	10	1	203
1SMA4733A	733A	4.84	5.1	5.36	49	7.0	10	1	186
1SMA4734A	734A	5.32	5.6	5.92	45	5.0	10	2	170
1SMA4735A	735A	5.86	6.2	6.51	41	2.0	10	3	154
1SMA4736A	736A	6.46	6.8	7.18	37	3.5	10	4	140
1SMA4737A	737A	7.12	7.5	7.88	34	4.0	10	5	127



850A L6.0

5%

4%

5%

8

9

9.5

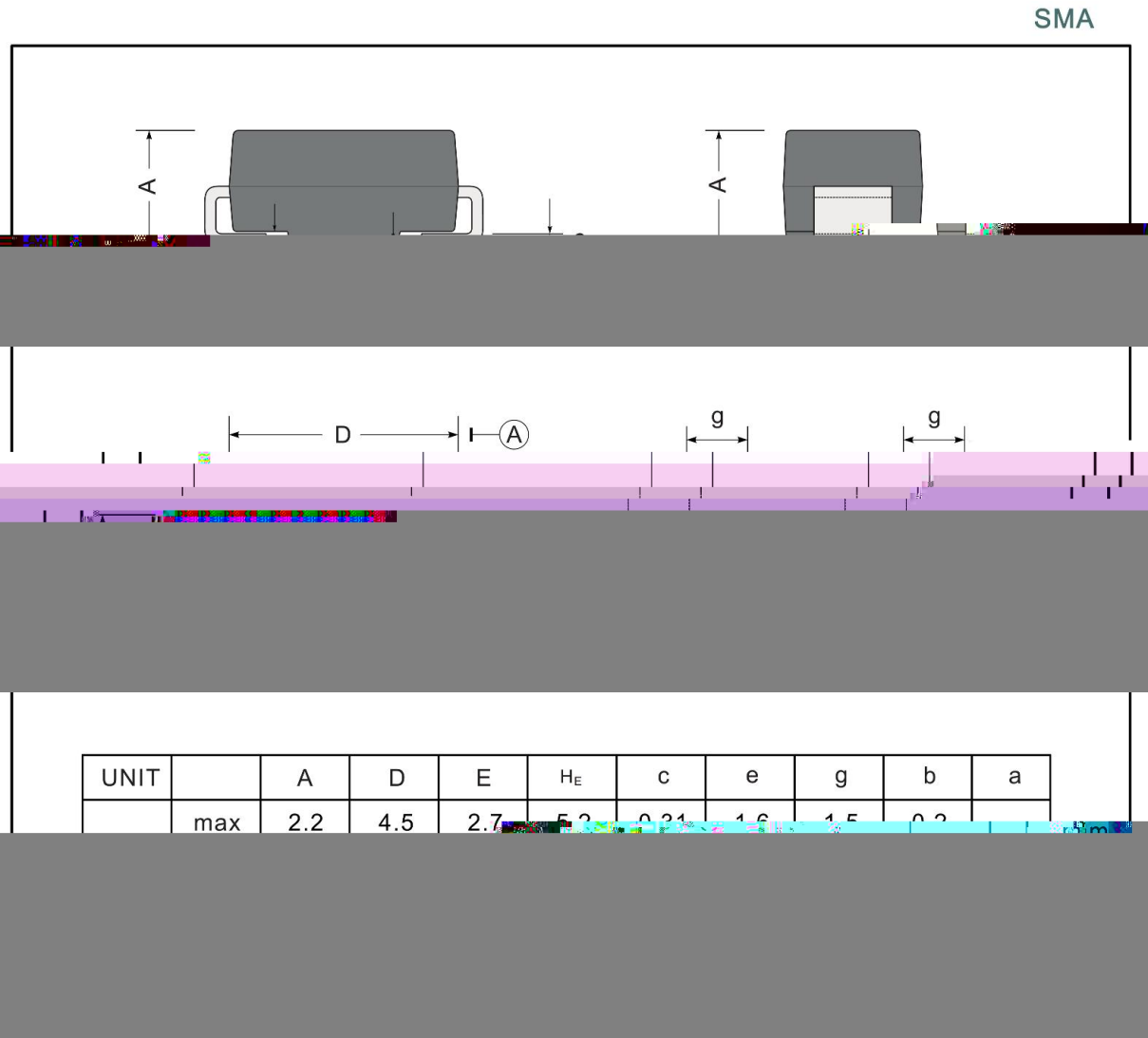
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@ A B C ? / Package Dimensions



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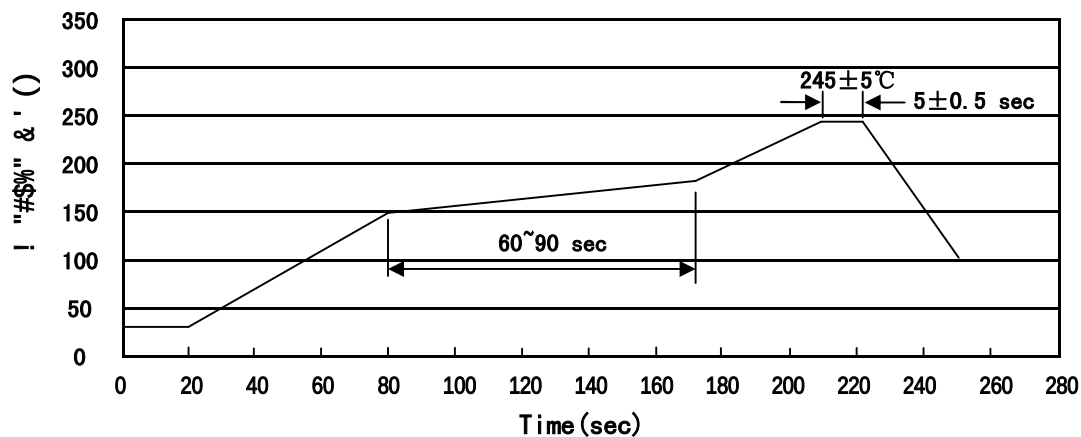
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H I J K L = > ? (M N) / O P Q R P S T U V S P G W S X Y Z [P G Y X S G \] G] P Y [X ^ G _ X [` P S Z a b c W d e f S P P g



Note:

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

h J i j k l m n / Resistance to Soldering Heat Test Conditions

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

o p q r / Packaging SPEC.

/ REEL

Package Type 封	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

s * D E / Notices