! / 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		

1SMA4728A~1SMA4777A

Rev.B Jun.-2021

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	

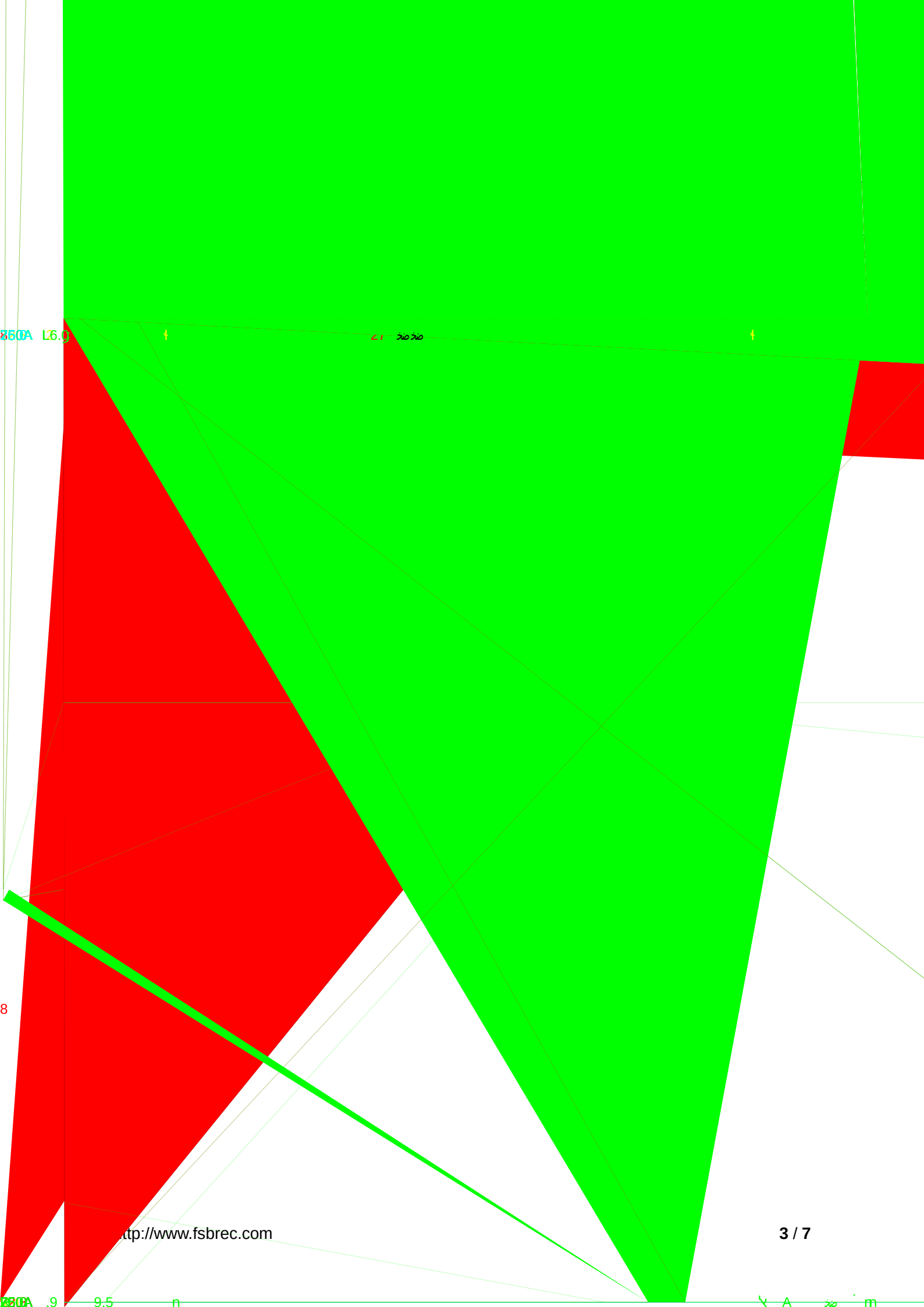


" # $ % / Marking

See Marking Instructions.

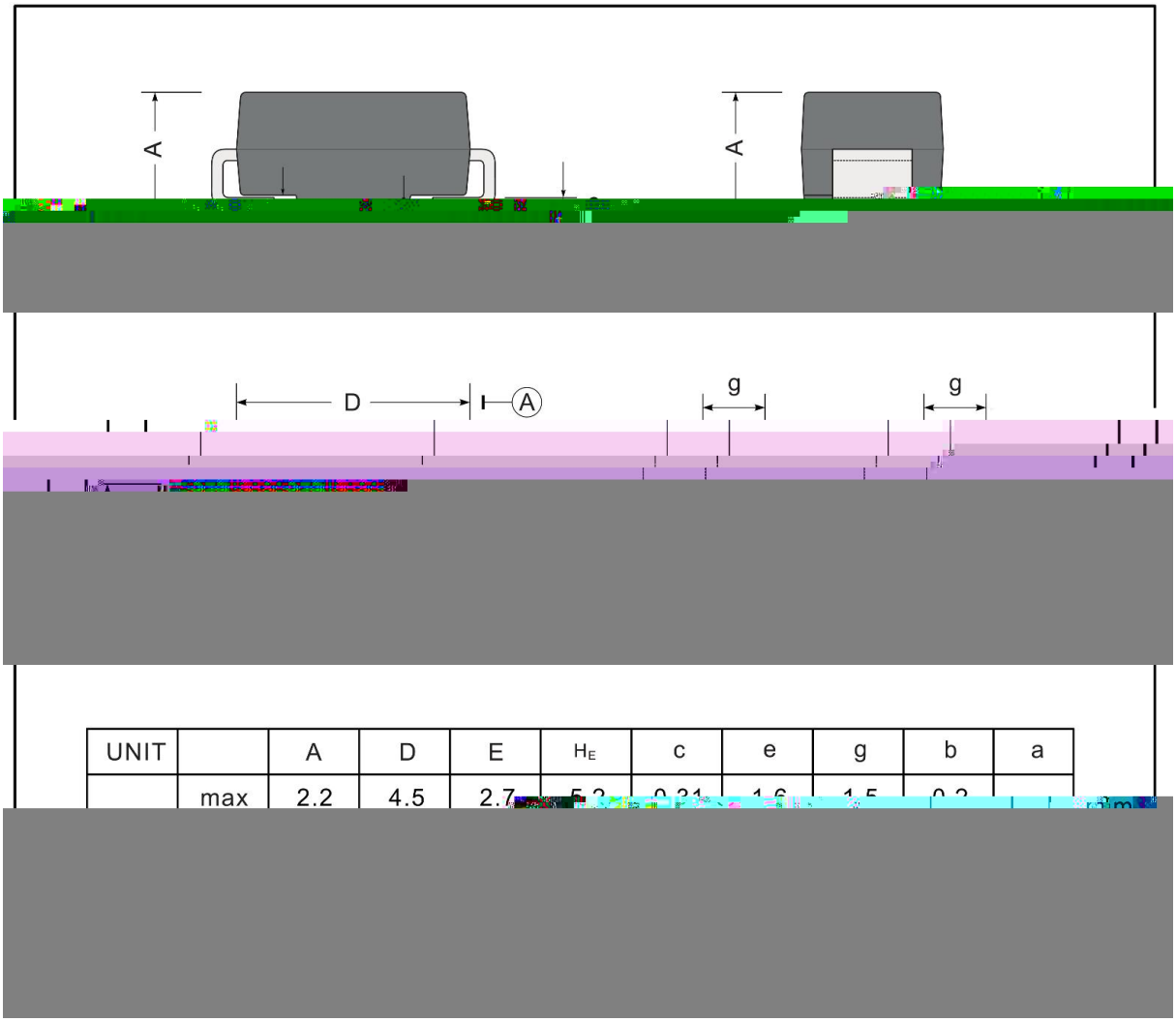
Parameter	Symbol	Rating	Unit
power dissipation at TL=75°C	P_D	1.0	W
Forward Voltage at IF = 200 mA	VF	1.2	V
Junction Temperature Range	T_J	- 55 to + 150	°C
Storage Temperature Range	T_{STG}	- 55 to + 150	°C

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



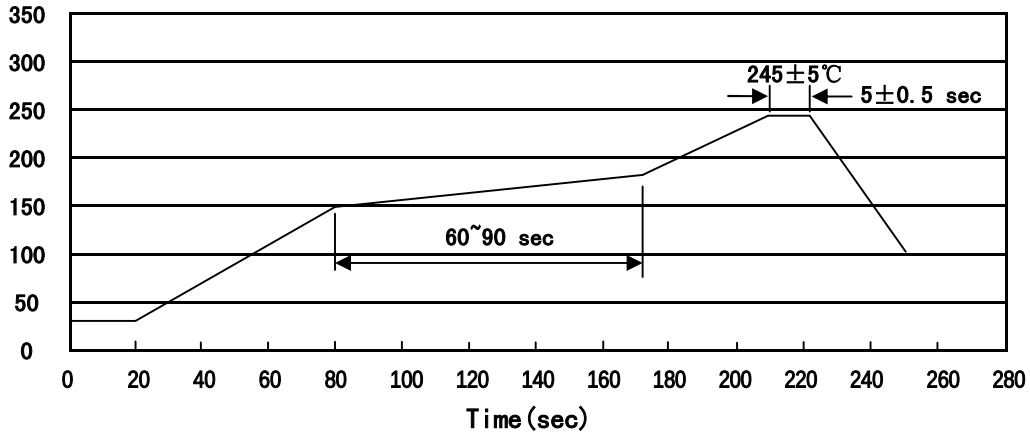
@ A B C ? / Package Dimensions

SMA



UNIT		A	D	E	H_E	c	e	g	b	a
	max	2.2	4.5	2.7	5.2	0.31	1.6	1.5	0.2	

H I J K L = > ? (M N) / OPQRPSTUVSPGWSXYZ[PGYXSG\]G]PY[X^G_X[`PSZabcWdefSPPg



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

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

260±5℃	10±1 sec.	Temp.:260±5℃	Time:10±1 sec

o p q r / Packaging SPEC.

/ REEL

Package Type 封	Units					Dimension		(unit mm³)
	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