



# 1SMA4728A~1SMA4777A

Rev.B Jun.-2021



DATA SHEET

## / fi / Descriptions

SMA

Silicon Planar Zener Diodes, SMA package

## fł Ł / 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.

## † Ź / Applications

1W

1W power dissipation, automated assembly processes.

## ž ! " # \$ % / Equivalent Circuit

## & ' ( ) / Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode



## ˆ ˇ ı / 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 $Z_{ZT}$ (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 ( )	Max( $\mu$ A)	(V)	
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

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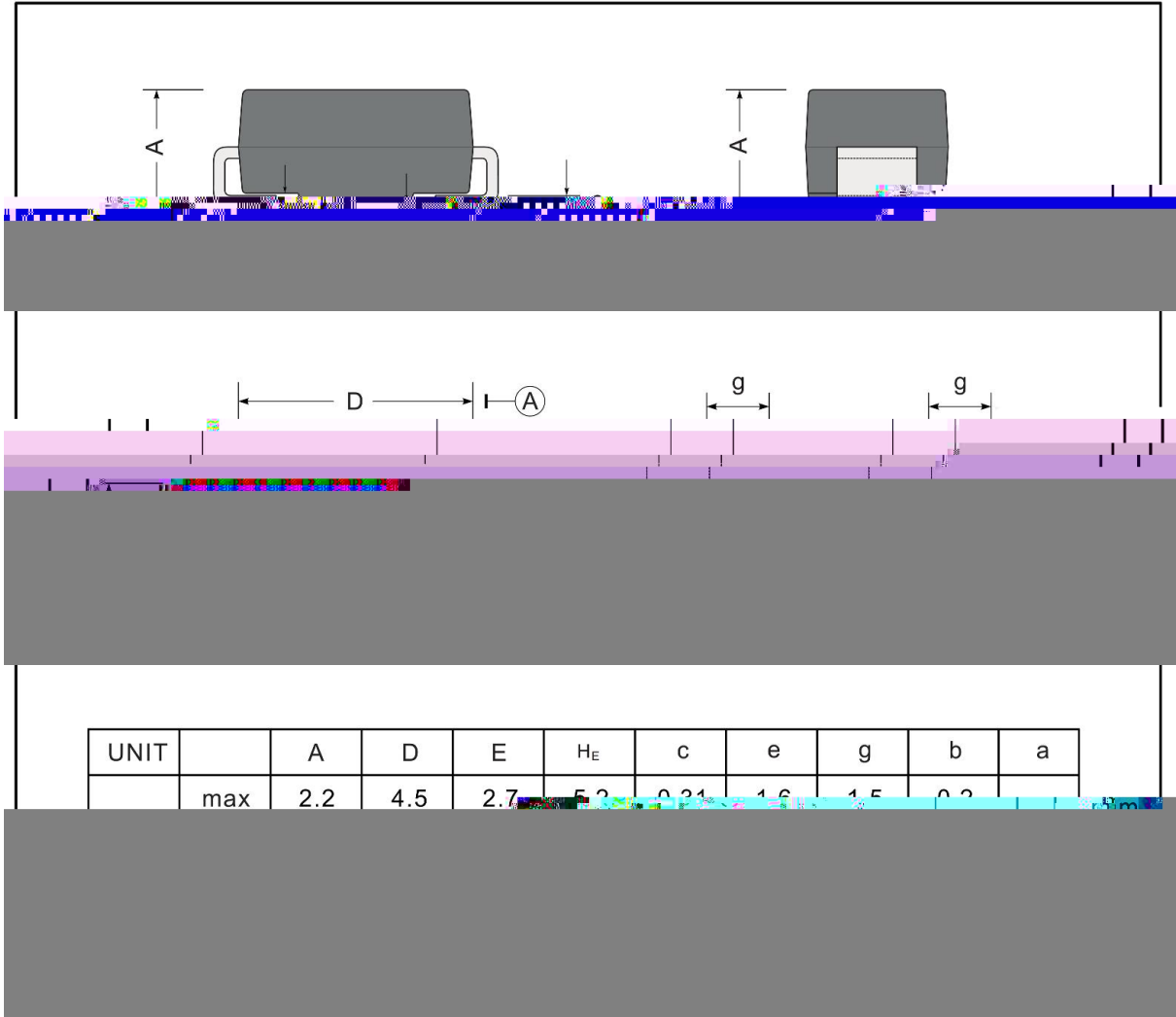
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## 4 5 6 7 3 / Package Dimensions

SMA



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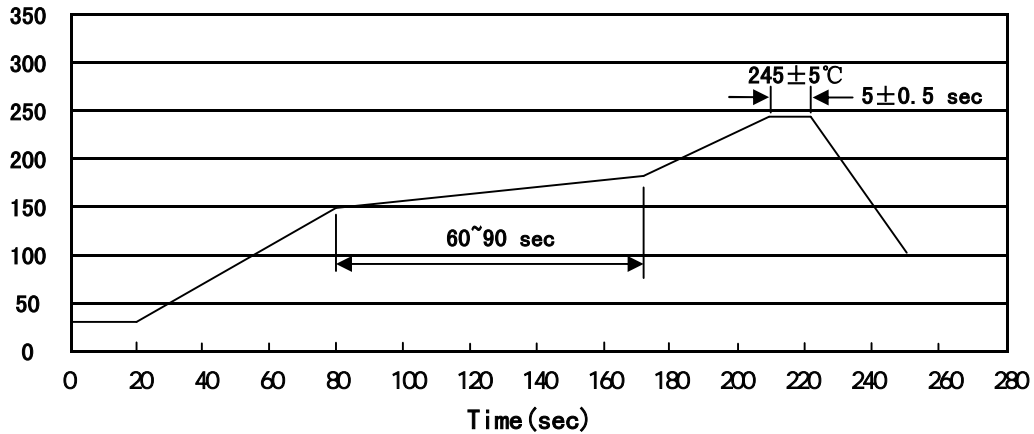
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< = > ? @ 1 2 3 (A B) / CDE FDGH I J K L M N O P Q R S T U V W X Y Z [ \ ] ^ \_ ` a b /



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.            |

\ > ] ^ \_ ` a b / Resistance to Soldering Heat Test Conditions

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

c d e f / Packaging SPEC.

/ REEL

Package Type 封	Units					Dimension (unit mm <sup>3</sup> )		
	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" x12	336X336X40	380X335X366

g † 8 9 / Notices