

**/ Descriptions**

50V~1000V                      2.0A    SMB

Surface Mount General Purpose Silicon Rectifiers,Reverse Voltage:50 to1000V,Forward Current:2.0A, SMB package.

**/ Features**

RoHS      2011/65/EU

Glass Passivated Chip Junction,Fast reverse recovery time,Lead free in comply with EU ROHS 2011/65/EU directives,For surface mounted applications.Halogen free product.

**/ Applications**

General purpose.

**/ Equivalent Circuit**

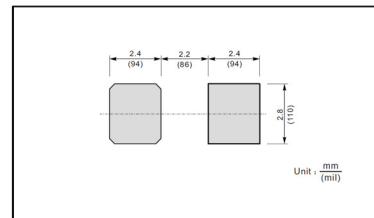


**/ Pinning**



PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size



**/ Marking**

See Marking Instructions.

Parameter	Symbol	Rating							Unit
		S2AB	S2BB	S2DB	S2GB	S2JB	S2KB	S2MB	
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V

/ Electrical Characteristic Curve

Fig.1 Forward Current Derating Curve



Fig.2 Typical Instaneous Reverse Characteristics

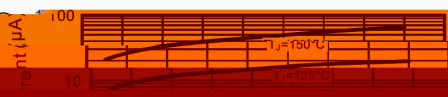
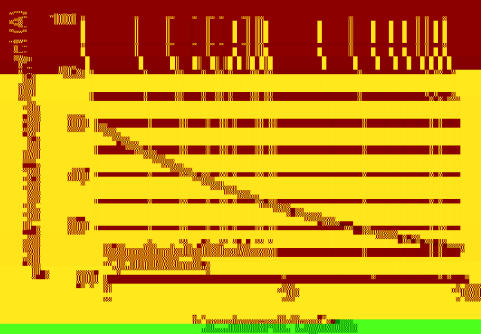
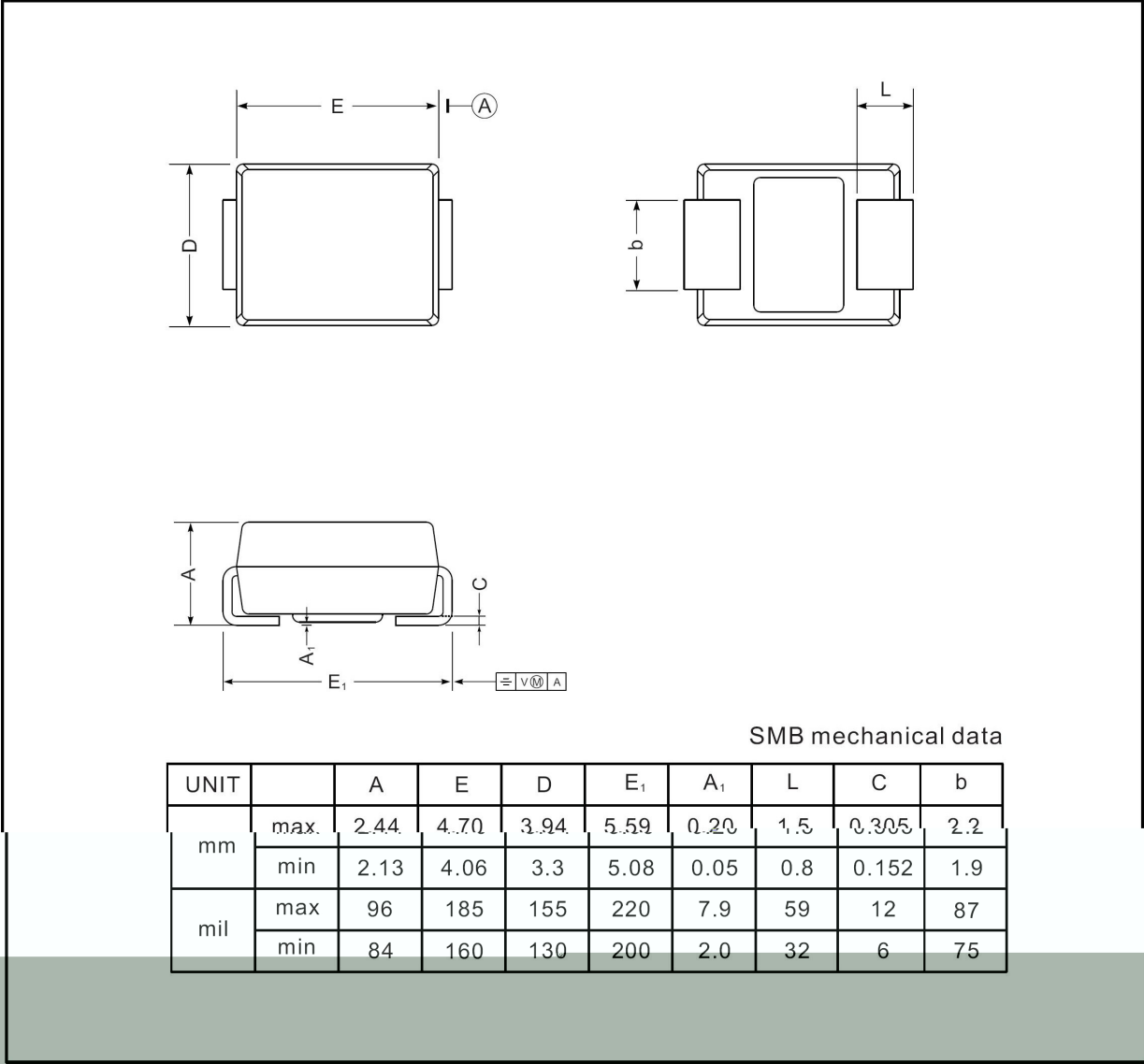


Fig.3 Maximum Non-Repetitive Peak Current Pulse Duration



/ Package Dimensions

SMB



SMB mechanical data

UNIT		A	E	D	E <sub>1</sub>	A <sub>1</sub>	L	C	b
mm	max.	2.44	4.70	3.94	5.59	0.20	1.5	0.305	2.2
	min.	2.13	4.06	3.3	5.08	0.05	0.8	0.152	1.9
mil	max.	96	185	155	220	7.9	59	12	87
	min.	84	160	130	200	2.0	32	6	75

/ Marking Instructions

Marking

Type number	Marking code
S2AB	S2A
S2BB	S2B
S2DB	S2D
S2GB	S2G
S2JB	S2J
S2KB	S2K
S2LB	S2L
S2MB	S2M

/ Marking Instructions



S2A

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1 \*

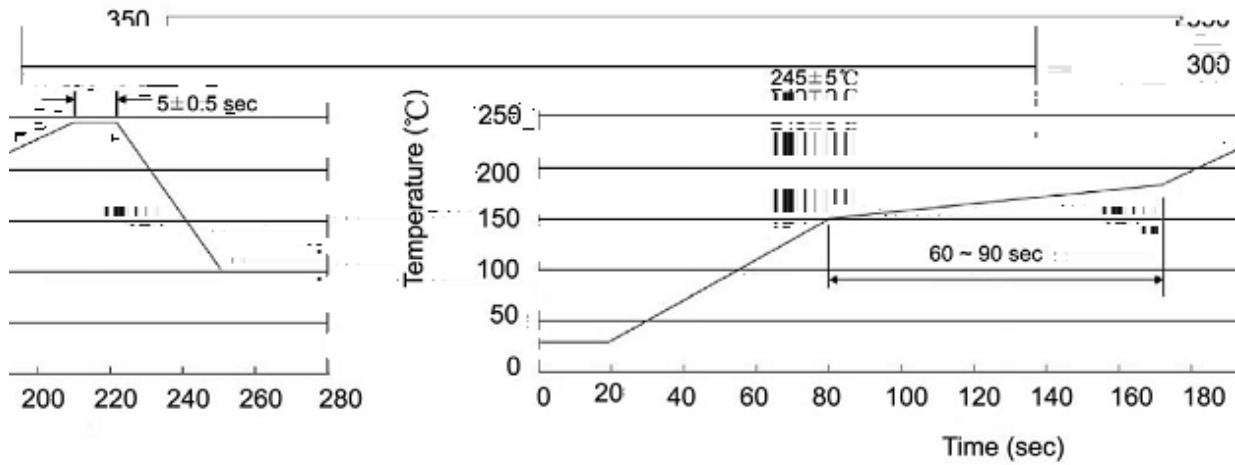
3 \*

Note:

S2A            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;   | 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.            |

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )	
	只	卷盘	卷盘盒	只	盒	盒箱	只箱