

/ Revised record

A	2018-1				
B	2019-3-15	ALL	S1A~S1M SMA 1 M1~M7 2 M7/**** -2019-7-8		
C	2021-6-7	4/7	b 5 50000 7 70000 340X340X40、350X350X230 336X336X40、380X335X366		

/ Descriptions

50V~1000V 1.0A SMA
Surface Mount General Purpose Silicon Rectifiers, Reverse Voltage 50 to1000V,Forward
Current:1.0A ,SMA package.

/ Features

RoHS 2011/65/EU
Glass Passivated Chip Junction, Lead free in comply with EU RoHS 2011/65/EU directives, For
surface mounted applications. HF product.

/ Applications

General purpose.

/ Equivalent Circuit



/ Pinning

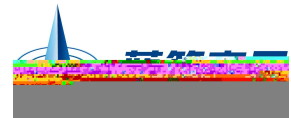
1		2	PIN	DESCRIPTION
			1	Cathode

The recommended mounting and soldering

/ Marking

See Marking Instructions.

参数 Parameter	符号 Symbol	M1	M2	M3	M4	M5	M6	M7
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700



/ Electrical Characteristic Curve

Fig.1 Forward Current-Forward Voltage Curve

Fig.2 Typical Reverse Characteristics

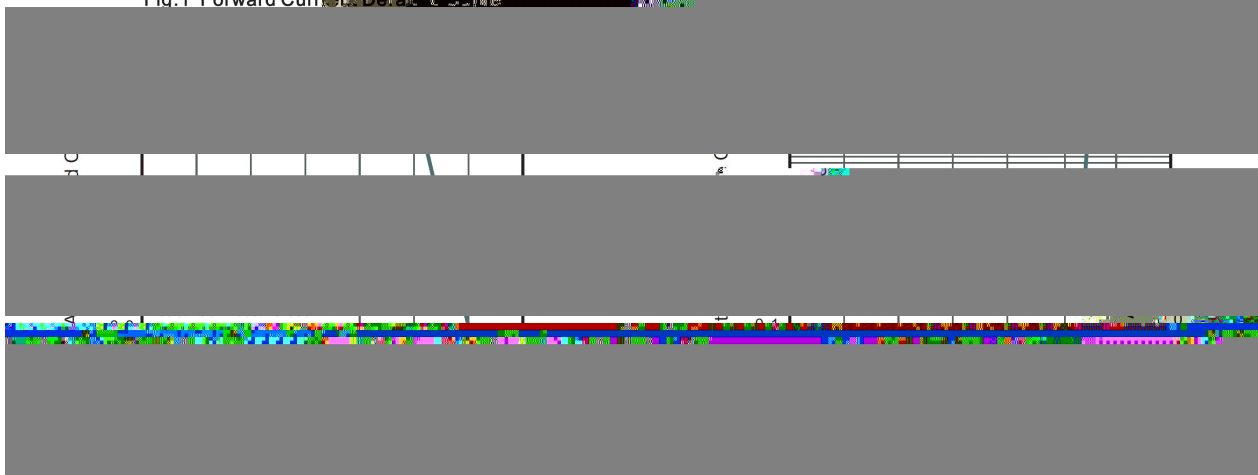


Fig.3 Typical Forward Characteristics

Fig.4 Typical Junction Capacitance

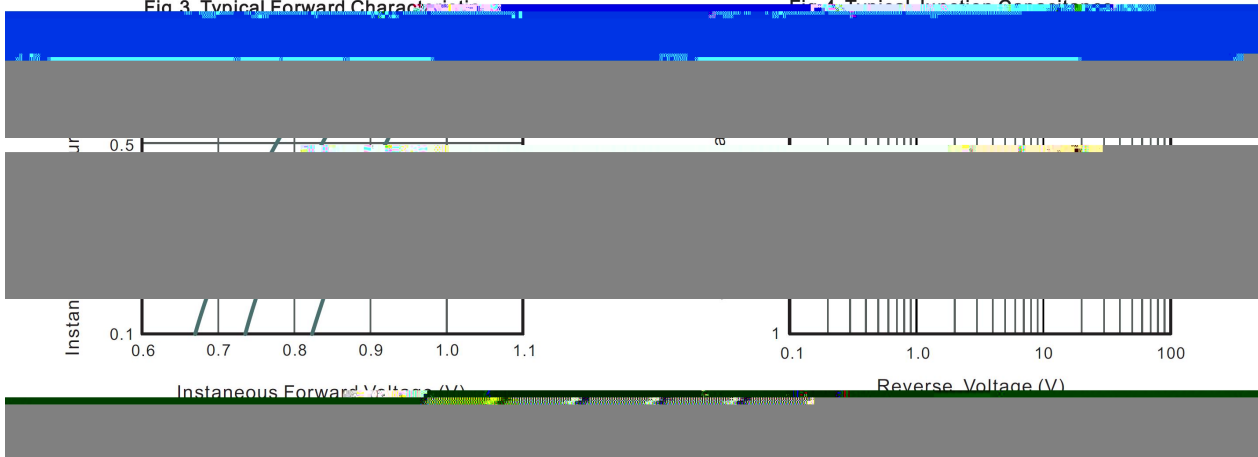
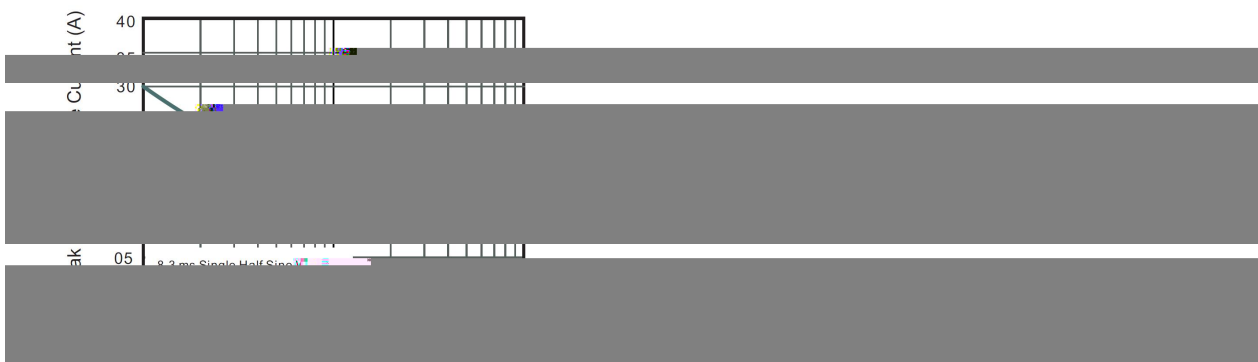
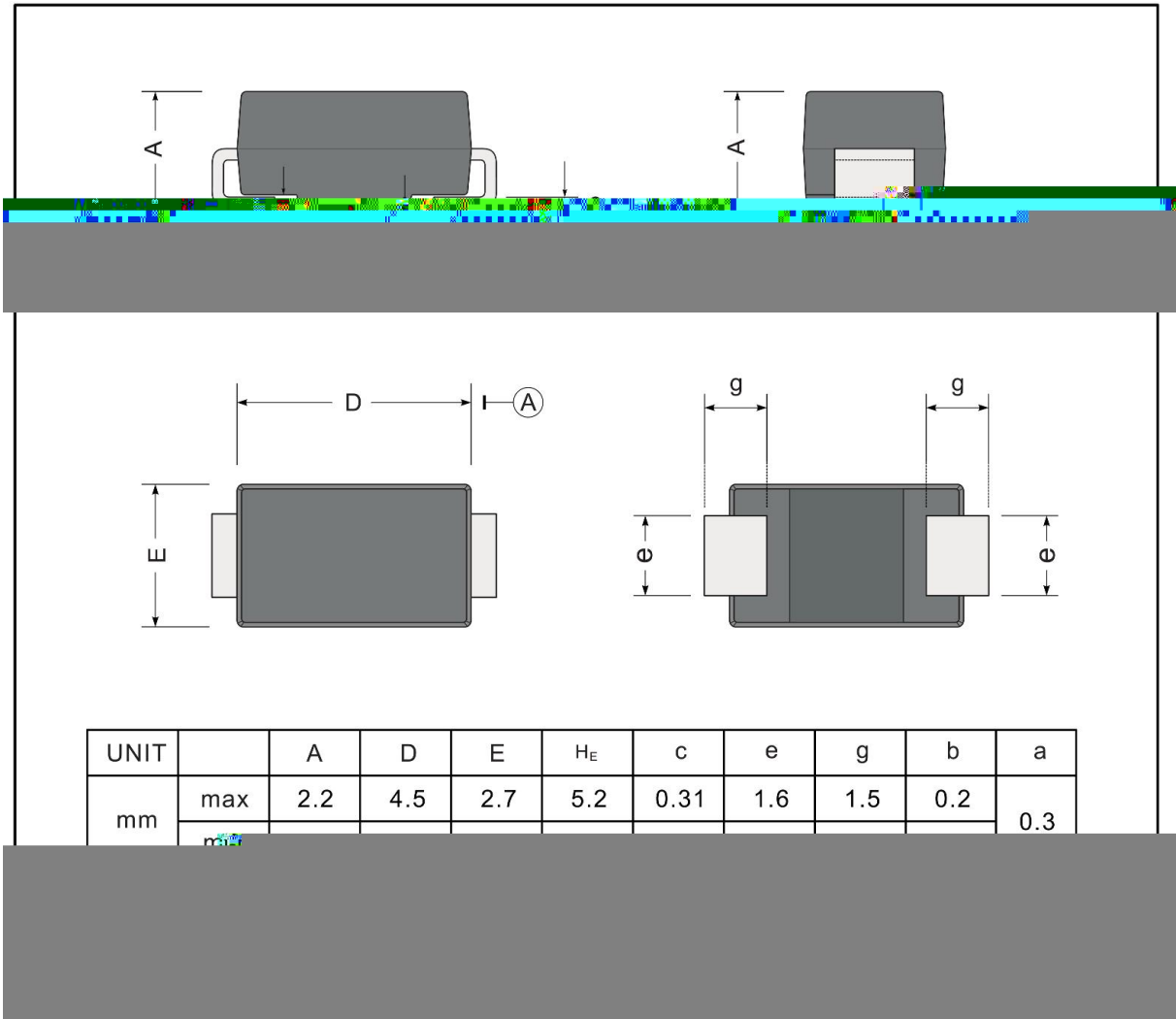


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current



/ Package Dimensions

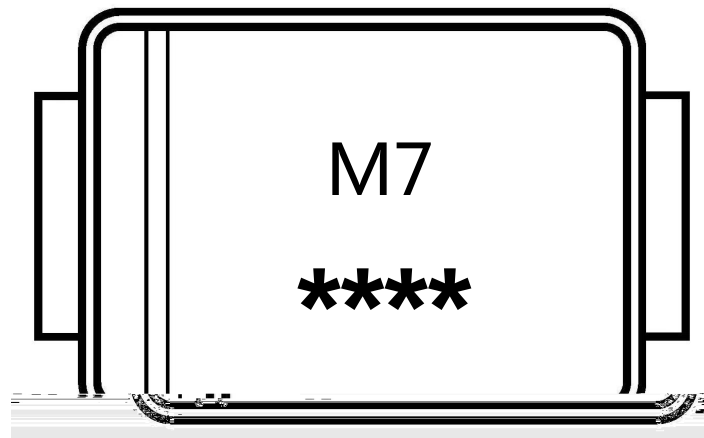
SMA



Marking

Type number	Marking code
M1	M1
M2	M2
M3	M3
M4	M4
M5	M5
M6	M6

/ Marking Instructions



M7

1 *

3 *

Note:

M7 Product Type Code

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

() / Temperature Profile for IR Reflow Soldering(Pb-Free)

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. |

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ REEL

Units 包装数量					Dimension 包装尺寸 (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 盒	Outer Box 箱