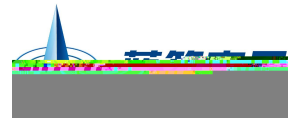


SS12~SS120
Rev. D Jun.-2021



DATA SHEET



/ Descriptions

20V~200V1.0A SMA

Surface Mount Schottky Barrier Rectifiers, Reverse Voltage 20 to 200V,Forward Current:1.0A ,SMA package.

/ Features

RoHS2011/65/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

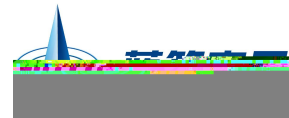
2

PIN	DESCRIPTION
1	Cathode
2	Anode

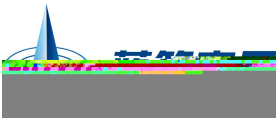
The recommended soldering temperature is 260°C (500°F) for a maximum of 10 seconds.

/ Marking

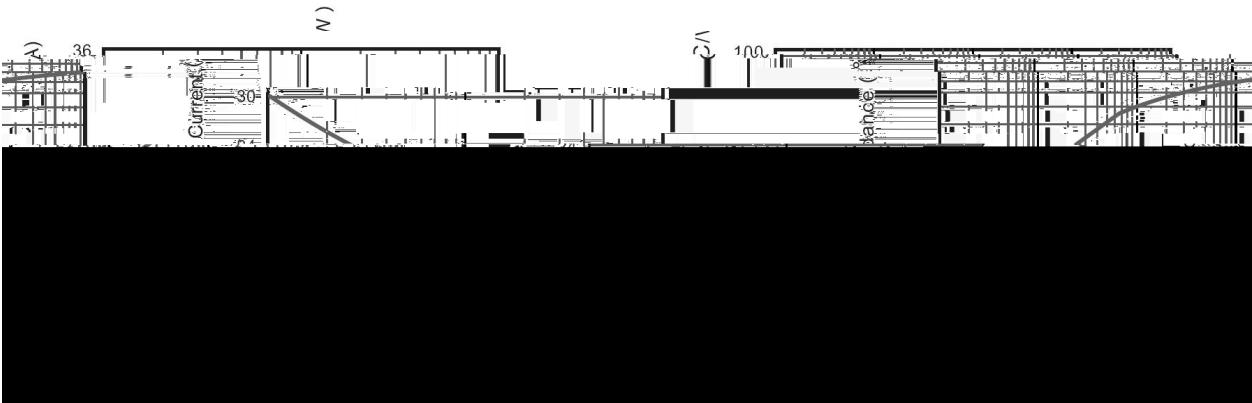
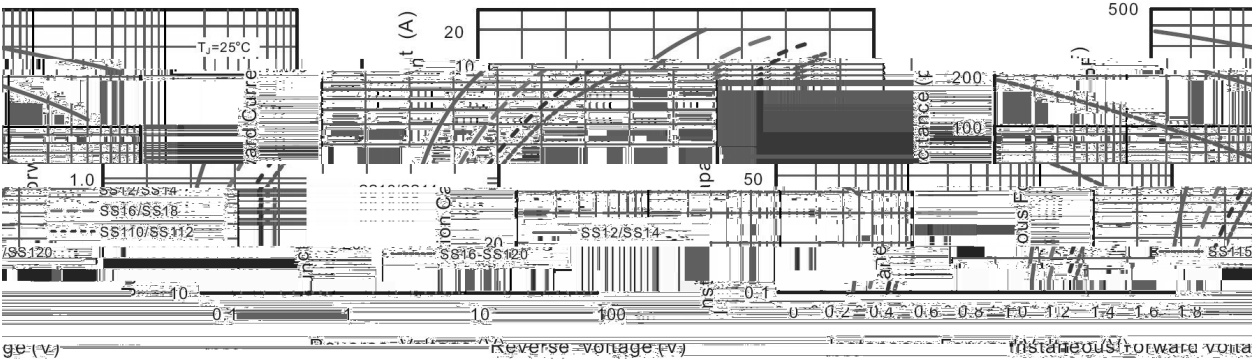
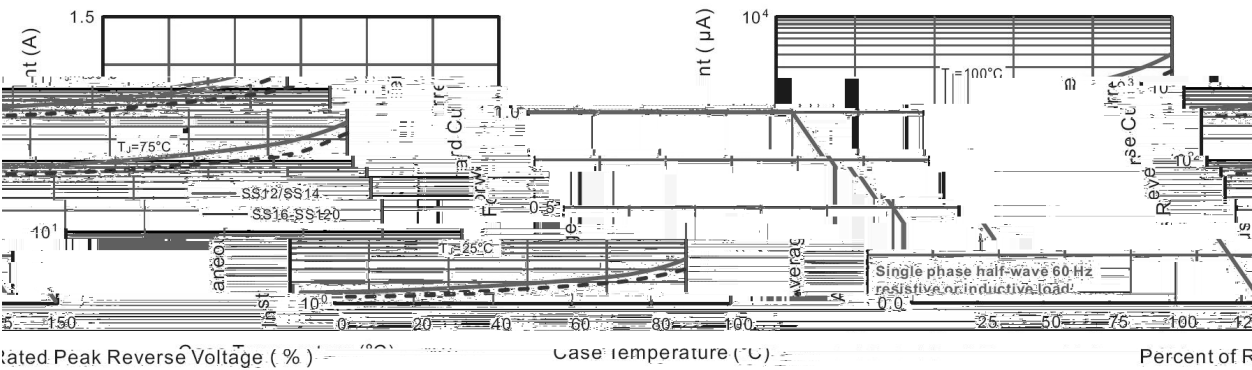
See Marking Instructions.



参数 Parameter	符号 Symbol	数值 Rating								单位 Unit
		SS12	SS14	SS16	SS18	SS110	SS112	SS115	SS120	
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	20	40	60	80	100	120	150	200	V
Maximum RMS voltage	V_{RMS}	14	28	42	56	70	84	105	140	V
Maximum DC Blocking Voltage	V_{DC}	20	40	60	80	100	120	150	200	V
Maximum Average Forward Rectified Current $T_c=100^{\circ}\text{C}$	$I_{F(AV)}$	1.0								A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	25								A
Typical Junction Capacitance at $V_R=4\text{V}$ $f=1\text{MHz}$	C_j	110				80				pF

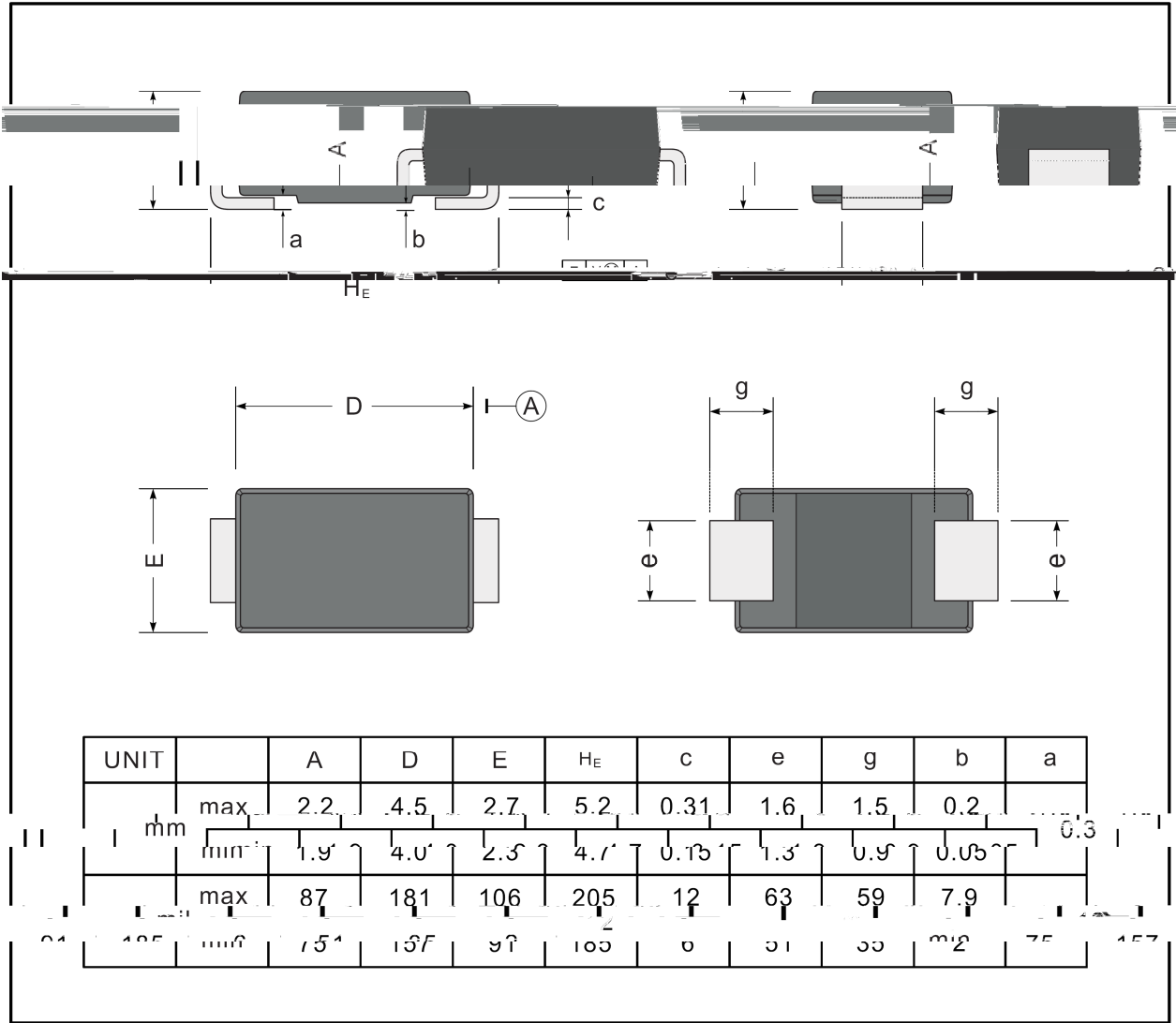


/ Electrical Characteristic Curve



/ Package Dimensions

SMA



/ Marking Instructions

Type number	Marking code
SS12	88 SS12

/ Marking Instructions



SS12

1 *

3 *

Note:

SS12 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°C | 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

Package Type 封装形式	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
SMA	5000	2	10000	7	70000	13" ×12	336X336X40	335X366