

/ Descriptions

SMAF

Surface Mount Schottky Barrier Rectifier, Reverse Voltage: 20 to 200 V, Forward Current: 3.0A, SMAF thin package.

/ Features

Low power loss, high efficiency, High forward surge current capability, For use in low voltage, high frequency inverters, and polarity protection applications, For surface mounted applications. Halogen free product.

/ Applications

General purpose.

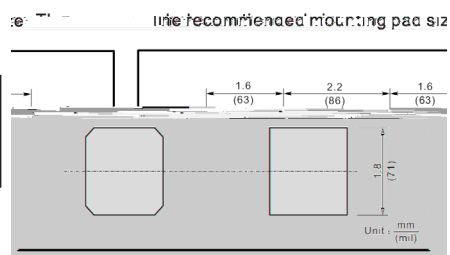
/ Equivalent Circuit



/ Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode



/ Marking

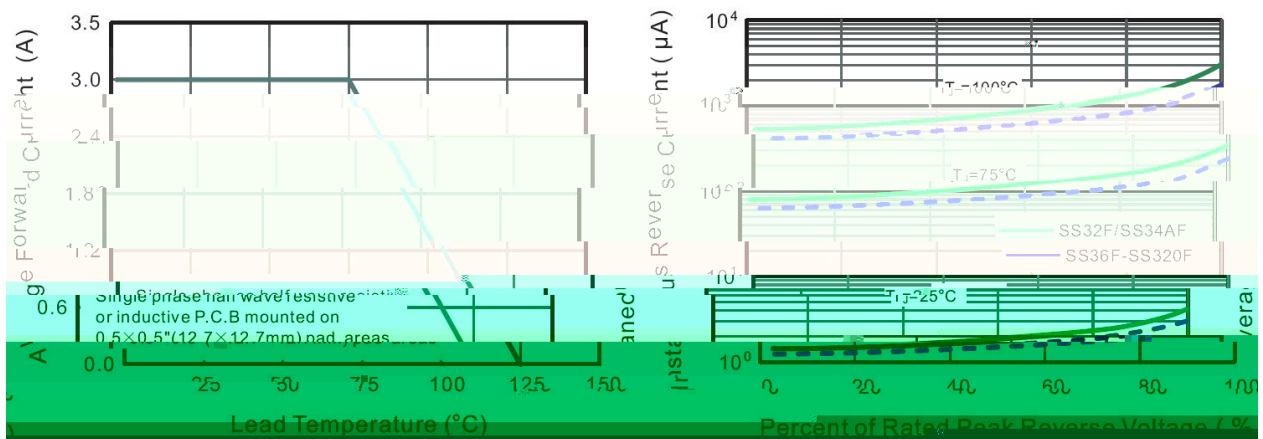
See Marking Instructions.

SS32F~SS320F

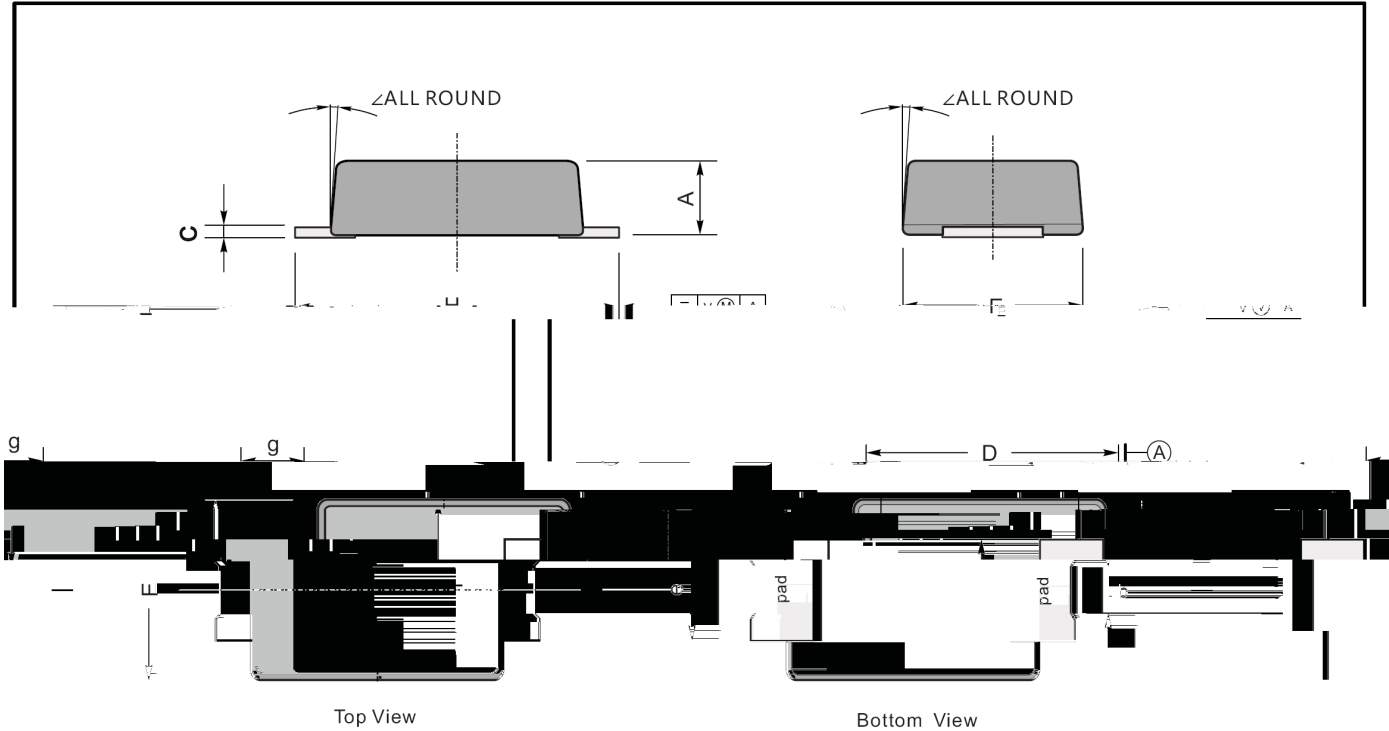
Rev.H May.-2019

Parameter	Symbol	Rating									Unit
		SS32F	SS34F	SS34AF	SS36F	SS38F	SS310F	SS312F	SS315F	SS320F	
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	20	40	45	60	80	100	120	150	200	V
Maximum RMS voltage	V _{RMS}	14	28	31.5	42	56	70	84	105	140	V
Maximum DC Blocking Voltage	V _{DC}	20	40	45	60	80	100	120	150	200	V
Maximum Average Forward Rectified Current	I _{F (AV)}	3.0									A
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	80					70				A
Typical Thermal Resistance ¹⁾	R _{θJA}	55									°C/W

/ Electrical Characteristic Curve



/ Package Dimensions



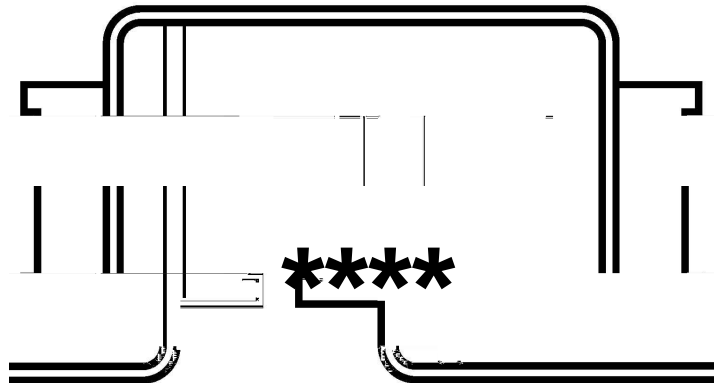
UNIT		A	C	D	E	e	g	H _E	b	∠		
	max.	1.2	0.20	3.7	2.7	1.6	1.2	4.9	1.05			
1.3	0.8	4.4	0.65				mm	min	0.9	0.12	3.3	2.4
				7°								
63	47	193	41					max	47	7.9	146	106
							mil					
51	24	172	32					max	35	4.3	122	85
								min	0.5	0.3	100	65



/ Marking Instructions



/ Marking Instructions

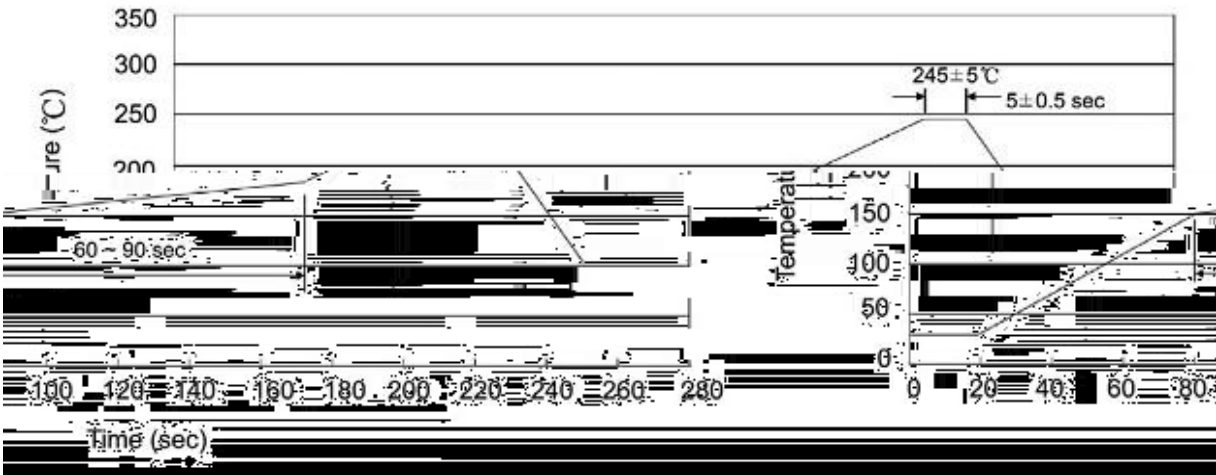


Note:

Product Type Code

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

() /



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 ³)		
	只 卷盘	卷盘 盒	只 盒	盒 箱	只 箱		盒	箱
SMAF	3000	5	15000	5	75000	7" ×11	185X180X105	390X385X205

/ Notices