

/ Descriptions

基整二，反向压：V，向：.0，型SMAF封
Surface Mount Schottky Barrier Rectifier, Reverse Voltage 45 V, Forward Current 5.0A,SMAF th package.

/ Features

低功，效，大，于低压变器和性保护，于产品
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

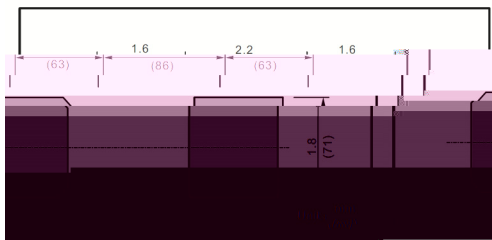


/ Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size



/ Marking

印 明 See Marking Instructions.

/ Absolute Maximum Ratings(Ta=25)

参数 Parameter	号 Symbol	数值 Rating	单位 Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	45	V
Maximum RMS voltage	V_{RMS}	32	V
Maximum DC Blocking Voltage	V_{DC}	45	V
Maximum Average Forward Rectified Current	$I_{F AV}$	5.0	A
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	150	A
Typical Junction Capacitance ¹⁾	C_j	400	pF
Typical Thermal Resistance ²⁾	R_{JA}	60	/W
Operating Junction Temperature Range	T_j	-55~+150	
Storage Temperature Range	T_{stg}	-55~+150	

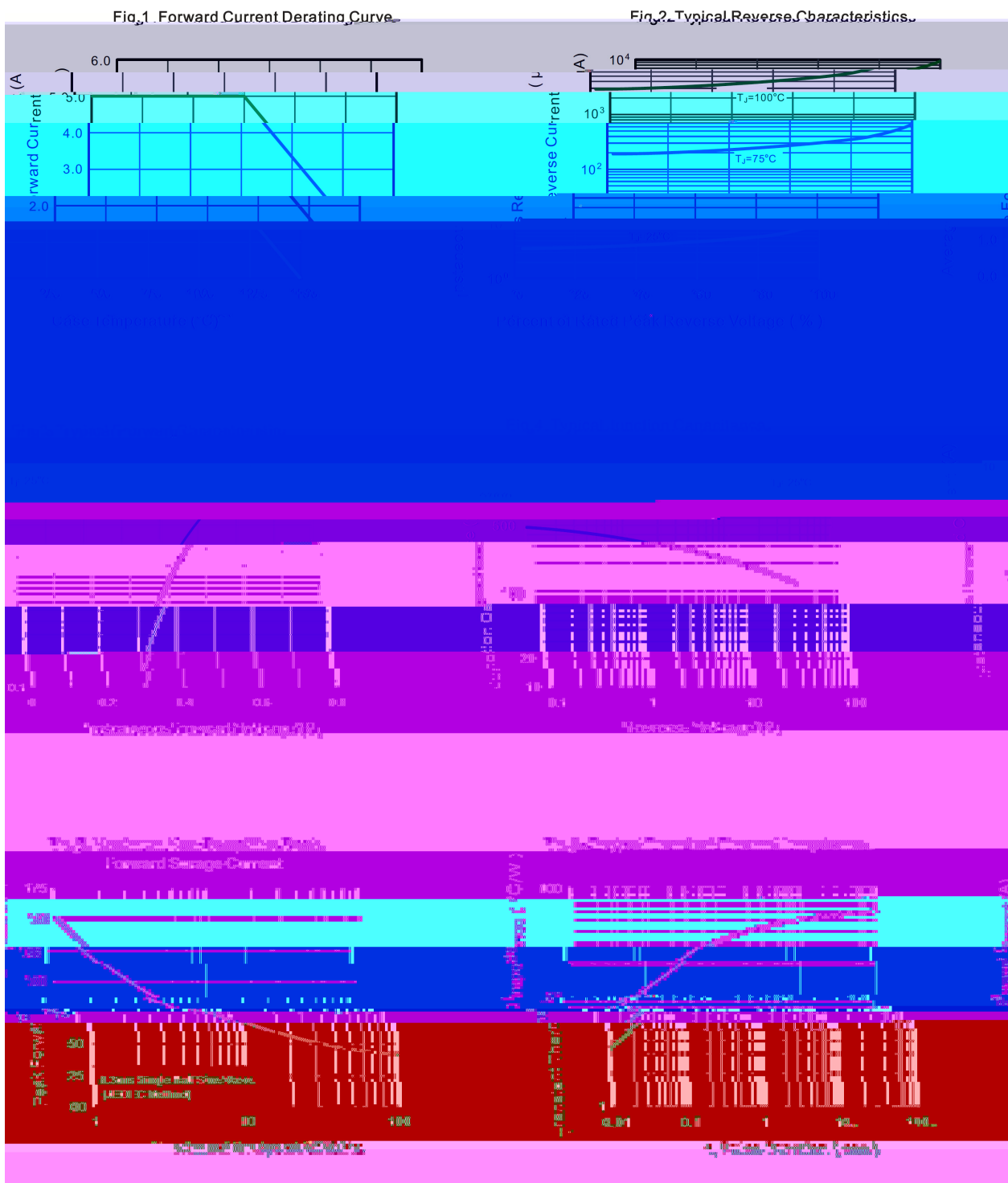
Note:

- 1) Measured at 1MHz and applied reverse voltage of 4V D.C
- 2) P.C.B. mounted with 2.0 X2.0" (5 X 5 cm) copper pad areas.

/ Electrical Characteristics(Ta=25)

参数 Parameter	号 Symbol	件 Test Conditions	Rating	单位 Unit
Max Instantaneous Forward Voltage	V_F	$I_F=5.0A$	0.55	V
Maximum DC Reverse Current at Rated DC Reverse Voltage	I_R	$T_j=25$	1	mA
		$T_j=100$	50	

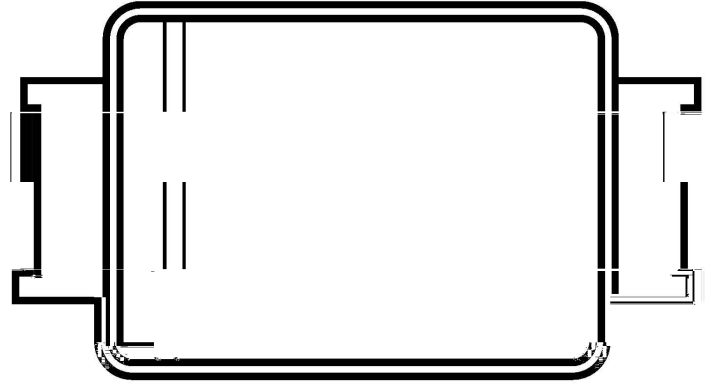
/ Electrical Characteristic Curve



Marking

Type number	Marking code
SS545F	SS545

/ Marking Instructions



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SS ： 为型号代

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