

UMW SS22F THRU SS220BF

20V-200V 2A

1.Features

- Metal silicon junction, majority carrier conduction
- For surface mounted applications
- Low power loss, high efficiency
- High forward surge current capability

 For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications

2.Mechanical Data

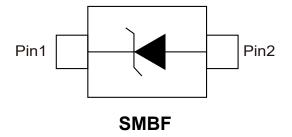
■ Case: SMBF

■ Approx.Weight: 57mg/0.002oz

■ Terminals: Solderable per MIL-STD-750

Method 2026

3. Pinning information







4. Maximum Ratings And Electrical Characteristics

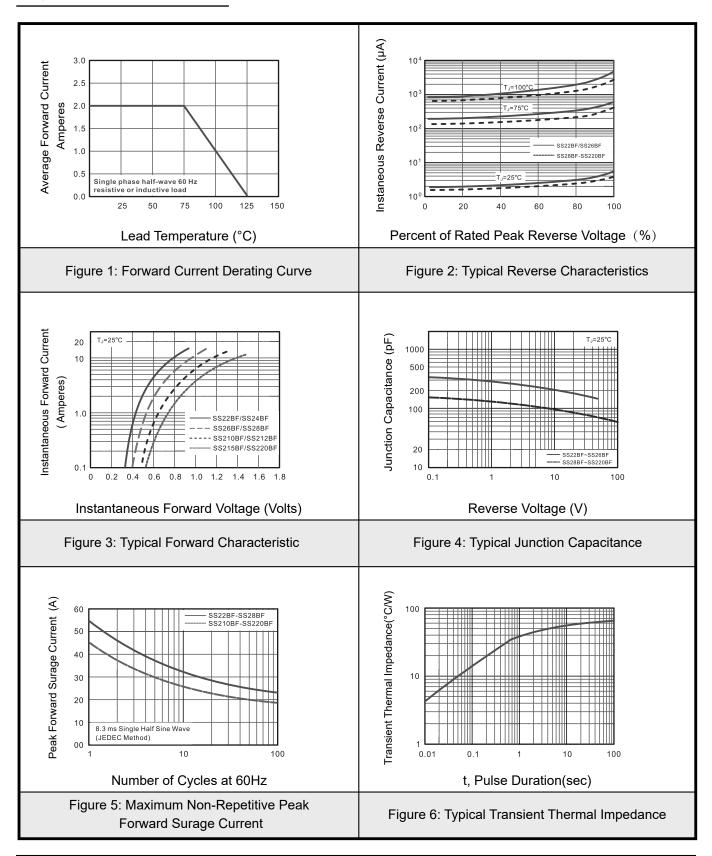
Parameter		Symbol	SS 22BF	SS 24BF	SS 26BF	SS 28BF	SS 210BF	SS 212BF	SS 215BF	SS 220BF	Units
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	20	40	60	80	100	120	150	200	V
Maximum RMS Voltage		V_{RMS}	14	28	42	56	70	84	105	140	V
Maximum DC Blocking Voltage		V _{DC}	20	40	60	80	100	120	150	200	V
Maximum Average Forward Rectific	I _{F(AV)}	2							Α		
Peak Forward Surge Current,8.3ms											
Single Half Sine-wave Superimposed		I _{FSM}	55				45				Α
on Rated Load (JEDEC method)											
Max Instantaneous Forward Voltage at 2A		V _F	0.	55	0.	70	0.	85	0.9	95	V
Maximum DC Reverse Current	T _A =25°C	,		0.5	0.5			0.3			mA
at Rated DC Reverse Voltage	T _A =100°C	l _R		5			3			mA	
Typical Junction Capacitance (Note1)		C _J	250 110			pF					
Typical Thermal Resistance (Note 2)		$R_{\theta JA}$	65						°C/W		
Junction Temperature Range		TJ	-55 to 125						°C		
Storage Temperature Range		T _{STG}	-55 to 150						°C		

Absolute Maximum Ratings and Electrical characteristics Ratings at ambient temperature unless otherwise specified. Single phase, half wave, 60Hz resistive or inductive load, for capacitive load, derate by 20 % Notes:

- (1) Measured at 1MHz and applied reverse voltage of 4 V D.C.
- (2) P.C.B. mounted with 0.5 X 0.5" (12.7X12.7mm) copper pad areas.

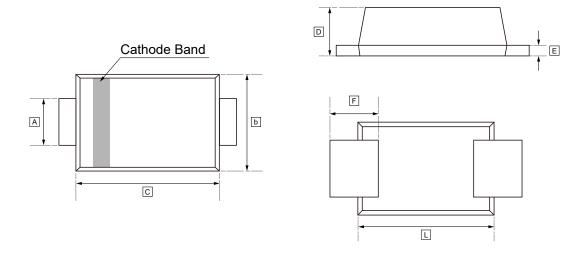


5. Typical characteristic





6.SMBF Package Outline Dimensions



DIMENSIONS (mm are the original dimensions)

Symbol	Α	b	С	D	E	F	L
Min	1.90	3.50	4.2	1.10	0.18	1.0	5.10
Max	2.20	3.70	4.4	1.30	0.26	1.30	5.5







7 .Ordering information



Order Code	Marking	Package	Base QTY	Delivery Mode
UMW SS22BF	S22B	SMBF	5000	Tape and reel
UMW SS24BF	S24B	SMBF	5000	Tape and reel
UMW SS26BF	S26B	SMBF	5000	Tape and reel
UMW SS28BF	S28B	SMBF	5000	Tape and reel
UMW SS210BF	S210B	SMBF	5000	Tape and reel
UMW SS212BF	S212B	SMBF	5000	Tape and reel
UMW SS215BF	S215B	SMBF	5000	Tape and reel
UMW SS220BF	S220B	SMBF	5000	Tape and reel







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