

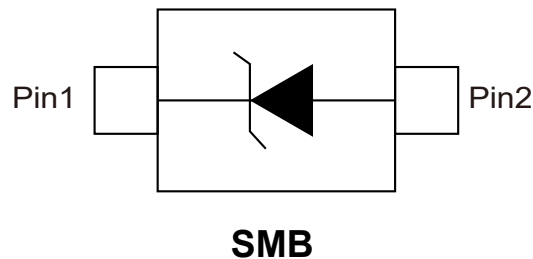
1.Features

- Ideal for surface mount applications
- Easy pick and place
- Built-in strain relief
- Low forward voltage drop

2.Mechanical Data

- Case: Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Metallurgically bonded construction
- Polarity: Color band denotes cathode end
- Mounting position: Any
- Weight: 0.063 grams
- Both normal and Pbfree product are available
- Normal: 80~95%Sn, 5~20%Pb
- Pbfree: 99 Sn above can meet Rohs environment substance directive request

3.Pinning information





4. Maximum Ratings And Electrical Characteristics

Parameter	SS 22B	SS 23B	SS 24B	SS 26B	SS 28B	SS 210B	SS 215B	SS 220B	Units
Maximum Recurrent Peak Reverse Voltage	20	30	40	60	80	100	150	200	V
Maximum RMS Voltage	14	21	28	42	56	70	105	140	V
Maximum DC Blocking Voltage	20	30	40	60	80	100	150	200	V
Maximum Average Forward Rectified Current See Fig.1	2								A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	50								A
Maximum Instantaneous Forward Voltage at 2A	0.55			0.7	0.85				V
Maximum DC Reverse Current T _A =25°C at Rated DC Blocking Voltage T _A =100°C	0.5								mA
	20								mA
Typical Junction Capacitance (Note1)	170								pF
Typical Thermal Resistance R _{θJA} (Note 2)	70								°C/W
Junction Temperature Range T _J	-65 to 125			-65 to 150				°C	
Storage Temperature Range T _{STG}	-65 to 150								°C

Rating 25°C ambient temperature unless otherwise specified.

Single phase half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Notes:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2. Thermal Resistance Junction to Ambient.



5. Typical characteristic

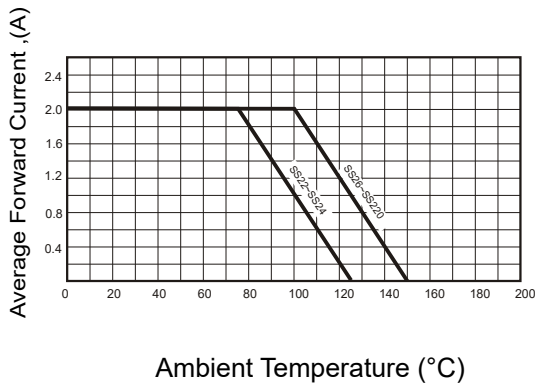


Figure 1: Typical Forward Current Derating Curve

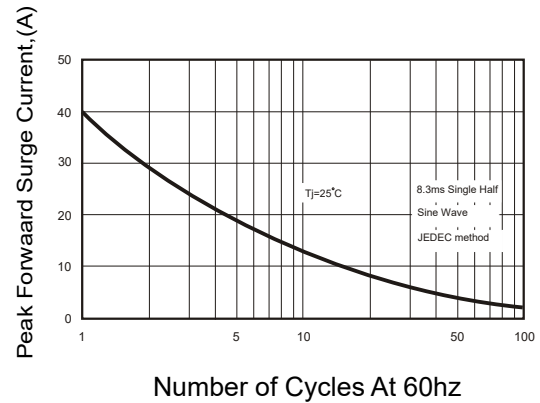


Figure 2: Maximum Non-repetitive Forward Surge Current

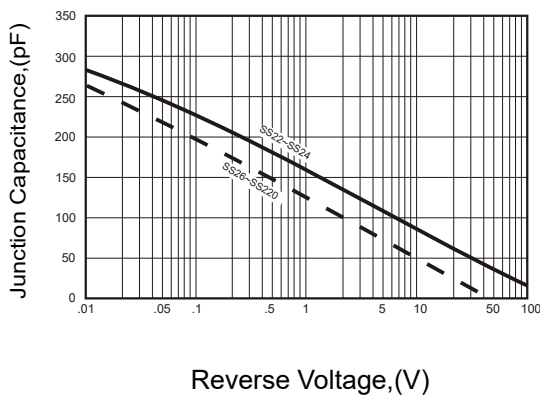


Figure 3: Typical Junction Capacitance

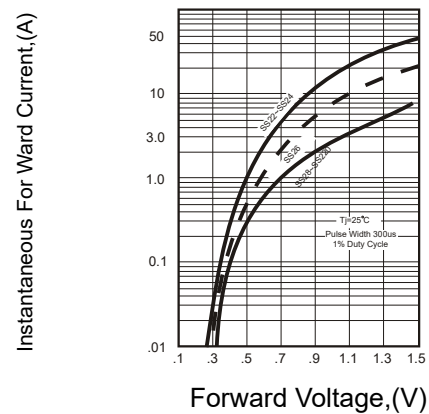


Figure 4: Typical Forward Characteristics

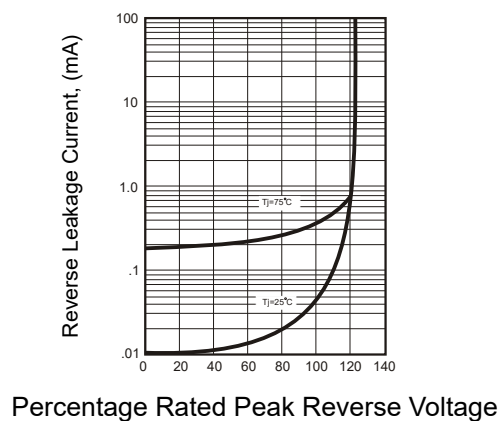
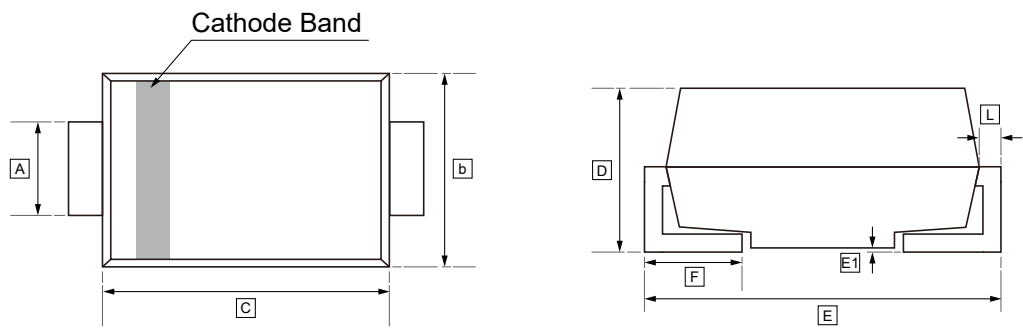


Figure 5: Typical Reverse Characteristics



6.SMB Package Outline Dimensions

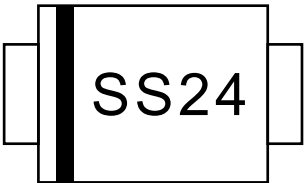


DIMENSIONS (mm are the original dimensions)

Symbol	A	b	C	D	E	E1	F	L
Min	1.95	3.30	4.06	2.13	5.10	0	0.76	0.152
Max	2.20	3.94	4.57	2.44	5.59	0.2	1.52	0.305



7 .Ordering information



Order Code	Marking	Package	Base QTY	Delivery Mode
UMW SS22B	SS22	SMB	3000	Tape and reel
UMW SS23B	SS23	SMB	3000	Tape and reel
UMW SS24B	SS24	SMB	3000	Tape and reel
UMW SS26B	SS26	SMB	3000	Tape and reel
UMW SS28B	SS28	SMB	3000	Tape and reel
UMW SS210B	SS210	SMB	3000	Tape and reel
UMW SS215B	SS215	SMB	3000	Tape and reel
UMW SS220B	SS220	SMB	3000	Tape and reel



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