

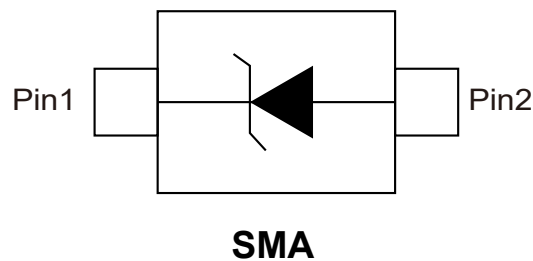
1.Features

- 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 22A	SS 23A	SS 24A	SS 26A	SS 28A	SS 210A	SS 215A	SS 220A	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

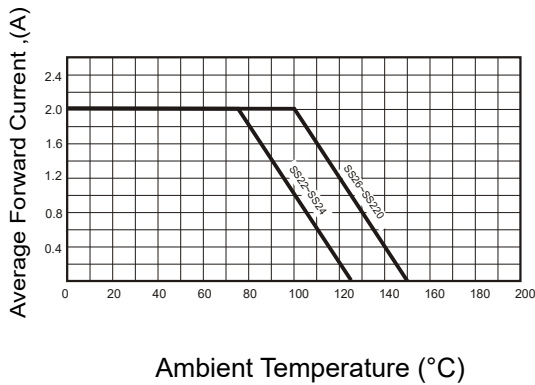


Figure 1: Typical Forward Current Derating Curve

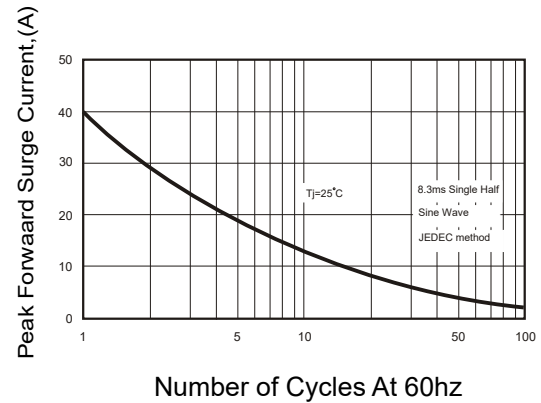


Figure 2: Maximum Non-repetitive Forward Surge Current

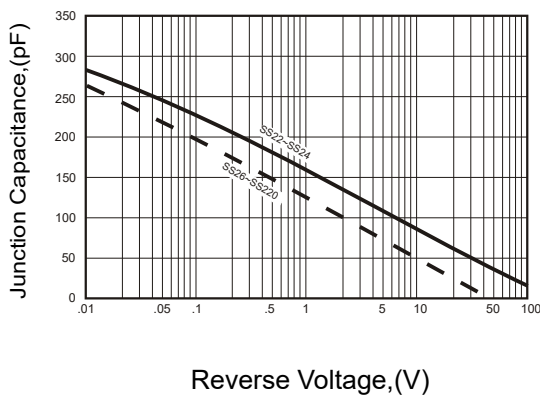


Figure 3: Typical Junction Capacitance

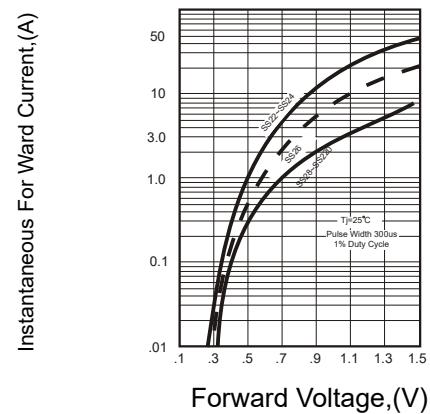


Figure 4: Typical Forward Characteristics

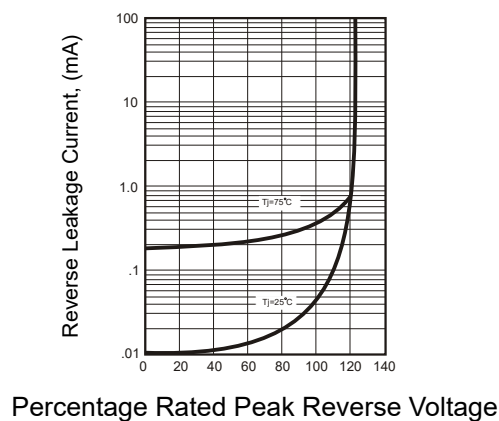
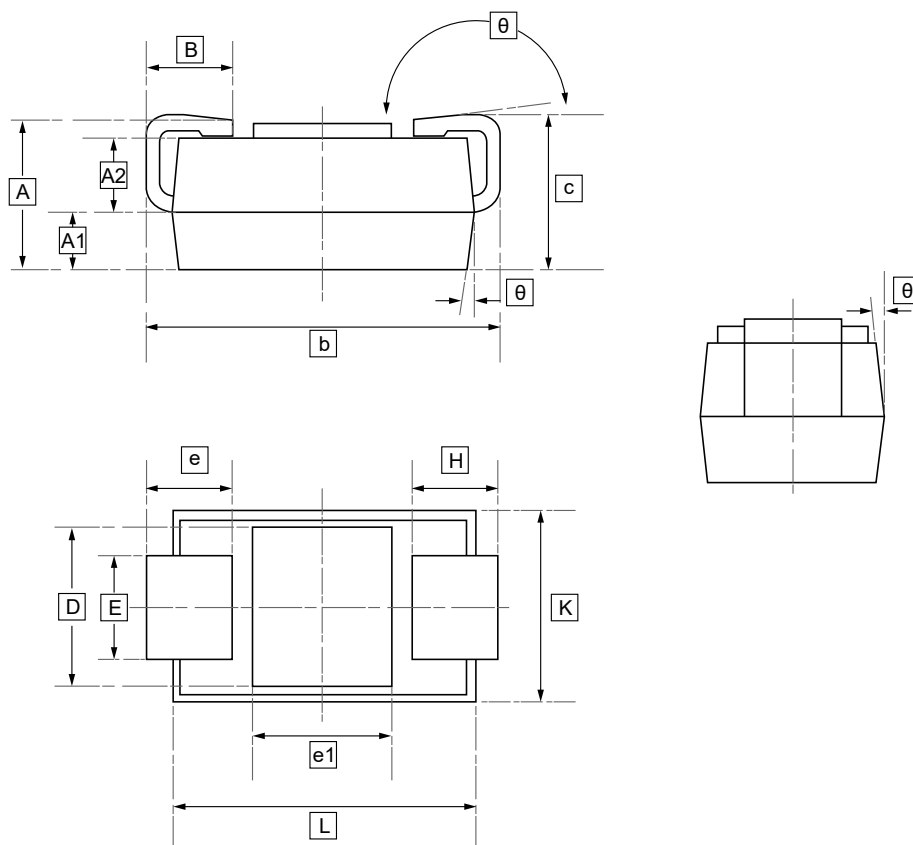


Figure 5: Typical Reverse Characteristics



6.SMA Package Outline Dimensions

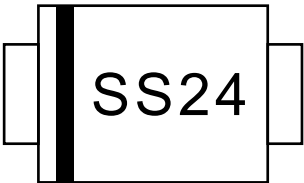


DIMENSIONS (mm are the original dimensions)

Symbol	A	A1	A2	B	b	c	D	E	e1	L	K	θ
Min	1.95	0.70	0.90	0.78	4.93	1.95	2.0	1.25	1.90	4.20	2.35	0°
Max	2.29	0.90	1.10	1.52	5.28	2.25	2.25	1.65	2.10	4.40	2.79	5°



7 .Ordering information



Order Code	Marking	Package	Base QTY	Delivery Mode
UMW SS22A	SS22	SMA	2000	Tape and reel
UMW SS23A	SS23	SMA	2000	Tape and reel
UMW SS24A	SS24	SMA	2000	Tape and reel
UMW SS26A	SS26	SMA	2000	Tape and reel
UMW SS28A	SS28	SMA	2000	Tape and reel
UMW SS210A	SS210	SMA	2000	Tape and reel
UMW SS215A	SS215	SMA	2000	Tape and reel
UMW SS220A	SS220	SMA	2000	Tape and reel



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