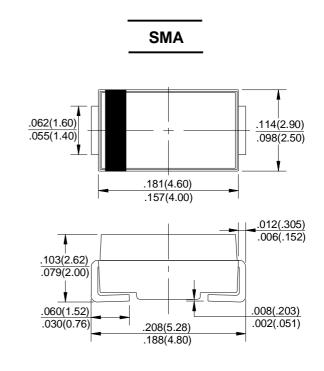
FEATURES

- For surface mounted applications
- Metal-Semiconductor junction with guarding
- Epitaxial construction
- Very low forward votage drop
- High current capability
- Plastic material has UL flammability classification 94V-0
- •For use in lowvoltage, high frequency inverters, free wheeling, and polarity protection applications.

MECHANICAL DATA

●Case: Molded Plastic

Polarity: Indicated by cathode band ●Weight: 0.002 ounces, 0.064 grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

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

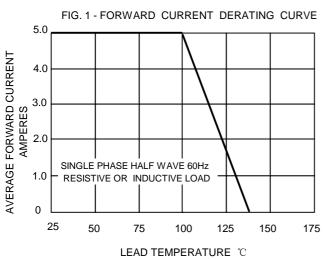
For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	SS52	SS53	SS54	SS55	SS56	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	50	60	V
Maximum RMS Voltage	VRMS	14	21	28	35	42	V
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	V
Maximum Average Forward Rectified Current @TL=100 ℃	I(AV)	5.0					А
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed On Rated Load (JEDEC Method)	lfsm			90			А
Maximum Forward Voltage at 3.0A DC	VF	0.45 0.55 0.65				V	
Maximum DC Reverse Current @T _J =25°C at Rated DC Blocking Voltage @TJ=100°C	lR	1.0 20					mA
Typical Junction Capacitance (Note1)	CJ	250					pF
Typical Thermal Resistance (Note2)	Røjl	10					°C/W
Typical Thermal Resistance (Note3)	RөJA	50					°C/W
Operating Temperature Range	TJ	-55 to + 150					$^{\circ}$ C
Storage Temperature Range	Тѕтс	-55 to + 175					$^{\circ}$ C

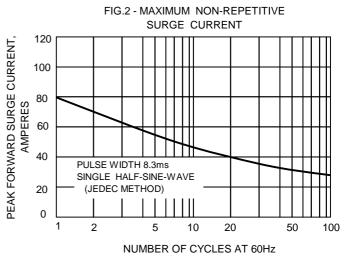
NOTES:1.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.

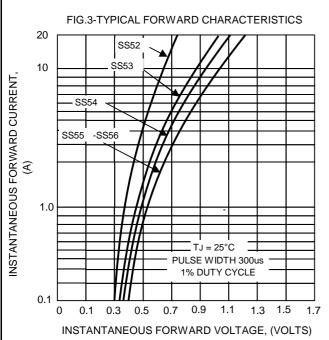
- 2. Thermal resistance junction to lead.
- 3. Thermal resistance junction to ambient.

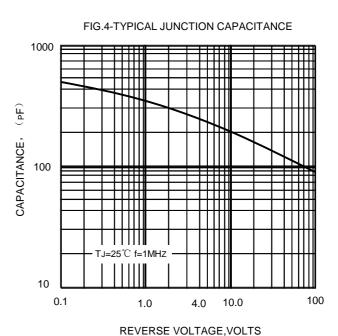
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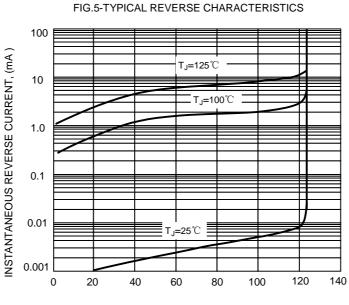












PERCENT RATED PEAK REVERSE VOLTAGE,(%)