

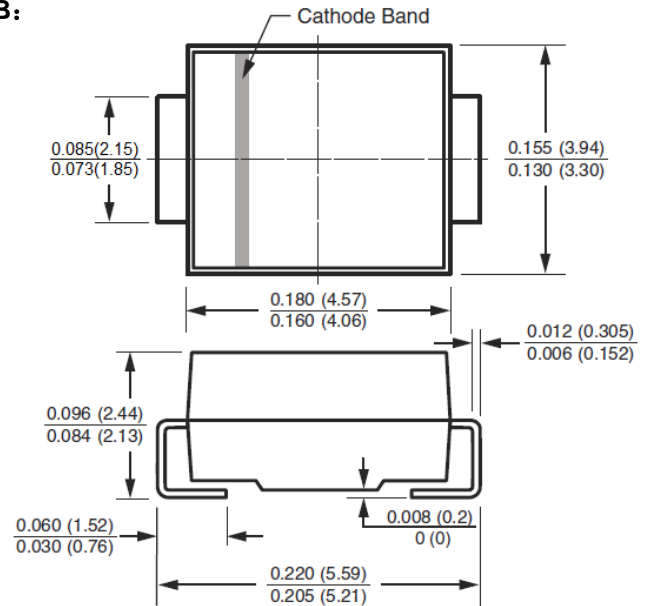
Features

- * The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- * For surface mounted applications
- * Metal silicon junction, majority carrier conduction
- * Low power loss, high efficiency
- * Built-in strain relief, ideal for automated placement
- * High forward surge current capability
- * High temperature soldering guaranteed:
260°C/10 seconds at terminals



Package Outline Dimensions in inches (millimeters)

SMB:



Mechanical Data

- * Case: JEDEC DO-214AA molded plastic body
- * Terminals: leads solderable per MIL-STD-750, Method 2026
- * Polarity: Color band denotes cathode end
- * Mounting Position: Any

Maximum Ratings and Electrical Characteristics

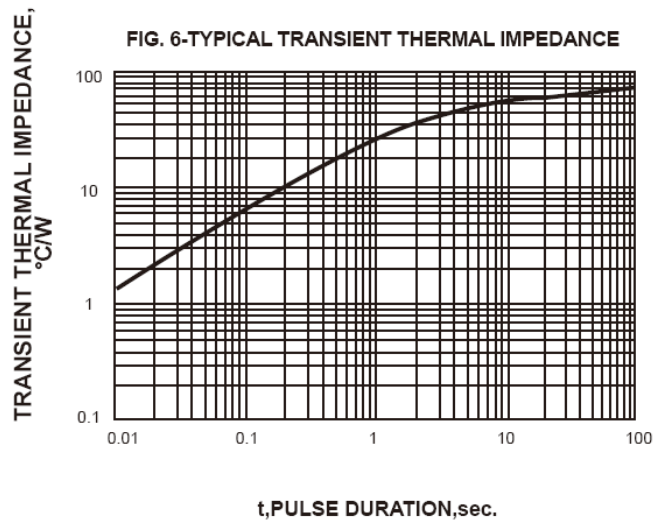
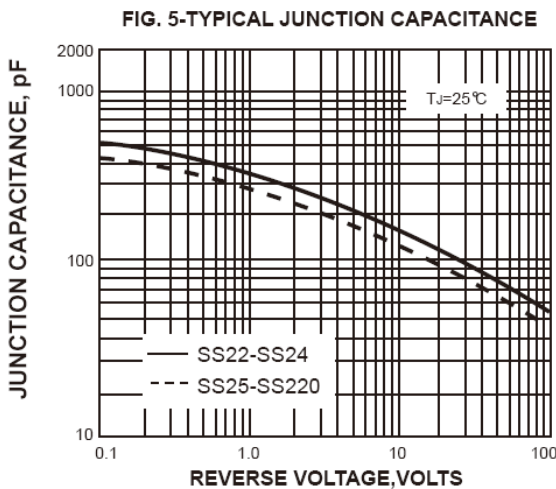
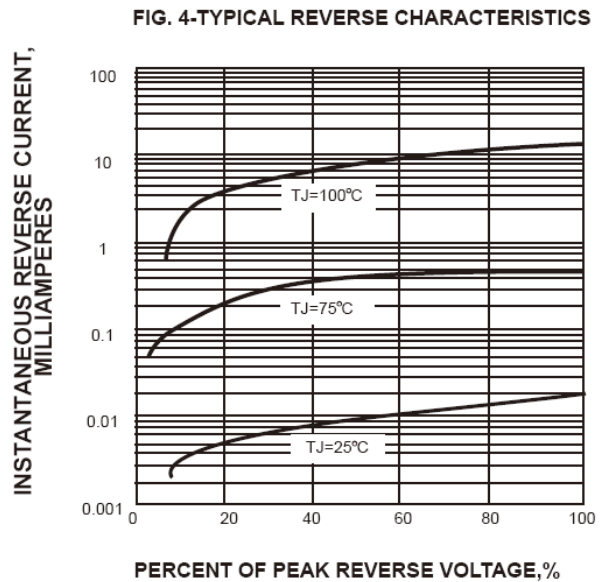
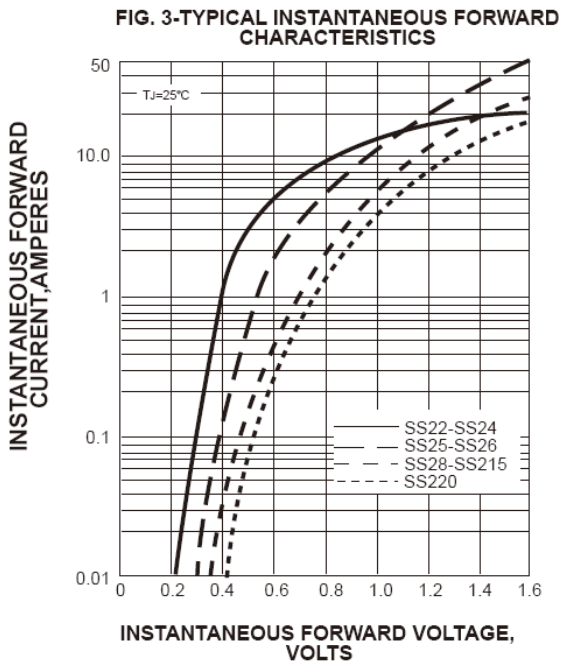
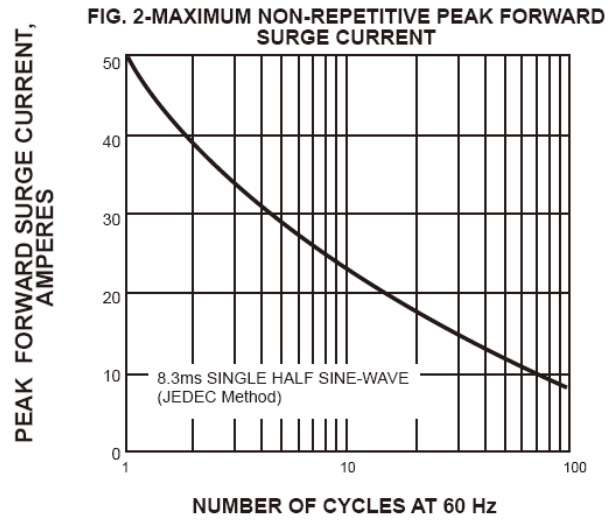
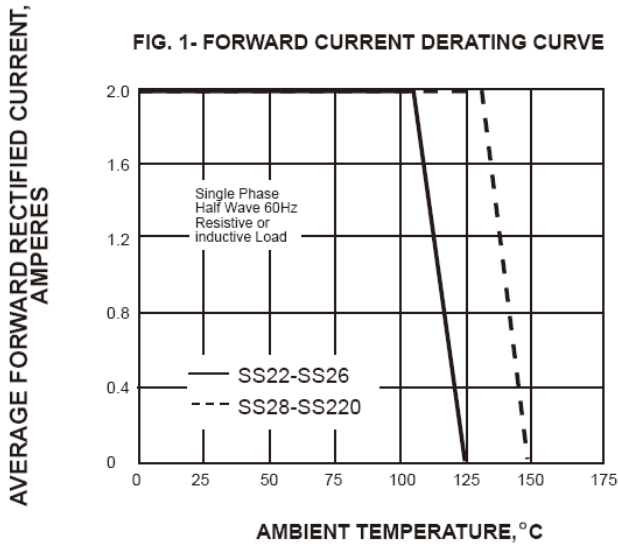
Rating at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Type Number	Symbols	SS22	SS23	SS24	SS25	SS26	SS28	SS210	SS215	SS220	Unit	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	30	40	50	60	80	100	150	200	V	
Maximum RMS Voltage	V_{RMS}	14	21	28	35	42	56	70	105	140	V	
Maximum D.C Blocking Voltage	V_{DC}	20	30	40	50	60	80	100	150	200	V	
Maximum Average Forward Rectified Current	$I_{F(AV)}$	2.0									A	
Peak Forward Surge Current, 8.3ms single half sine-wave	I_{FSM}	50									A	
Maximum Instantaneous Forward Voltage at 2.0A(Note1)	V_F	0.55			0.70		0.85		0.95		V	
Maximum D.C Reverse Current @ $T_A=25^\circ\text{C}$ at Rated D.C Blocking Voltage @ $T_A=100^\circ\text{C}$	I_R	0.5							0.2		mA	
		10.0				5.0		2.0				
Typical Junction Capacitance(Note2)	C_J	220			180						pF	
Typical Thermal Resistance(Note3)	$R_{\theta JA}$	75									°C/W	
Operating junction temperature range	T_J	-50 to +125				-50 to +150						°C
Storage temperature range	T_{STG}	-50 to +150									°C	

NOTE: 1、 Pulse test: $t_p=300\ \mu\text{s}$, 2% duty cycle 2、 Measured at 1MHz and applied reverse voltage of 4.0V D.C.

3、 P.C.B. mounted with 0.2x0.2" (5.0x5.0mm) copper pad areas

Ratings and Characteristic Curves





SS22 THRU SS220
2.0 Amps. Surface Mount Schottky Barrier Rectifiers

Ordering Information

Part No.	Package	Packing
SS22~SS220	SMB	3K/Reel

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