



Features:

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

Mechanical Data:

Case	: Molded Plastic
Polarity	: Colour band denotes cathode
Weight	: 0.003 ounces, 0.093 grams
Reverse Voltage	: 20 to 100 Volts
Forward Current	: 2 Amperes

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	SS22+	SS23+	SS24+	SS25+	SS26+	SS210+	Unit
Max. Repetitive Peak Reverse Voltage	V_{RRM}	20	30	40	50	60	100	V
Max. RMS Voltage	V_{RMS}	14	21	28	35	42	70	
Max. DC Blocking Voltage	V_{DC}	20	30	40	50	60	100	
Max. Average Forward Rectified Current $T_L = 100^\circ\text{C}$	$I_{(AV)}$	2.0						A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	50						
Peak Forward Voltage at 2A DC	V_F	0.55			0.7		0.85	V
Max. DC Reverse Current at Rated DC Blocking Voltage at $T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$	I_R	1 20						mA
Typical Junction Capacitance (Note 1)	C_J	200						pF
Typical Thermal Resistance (Note 2)	$R_{\theta JL}$	15						°C/W
Operating Temperature Range	T_J	-55 to + 150						°C
Storage Temperature Range	T_{STG}							

Notes:

1. Measured at 1.0MHz and applied reverse voltage of 4V DC
2. Thermal resistance junction to lead
3. The typical data above is for reference only

Ratings and Characteristic Curves

FIG. 1 - FORWARD CURRENT DERATING CURVE

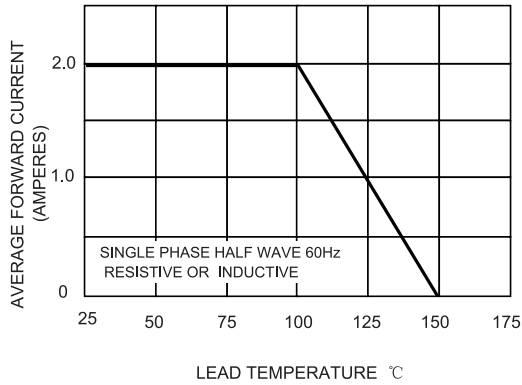


FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

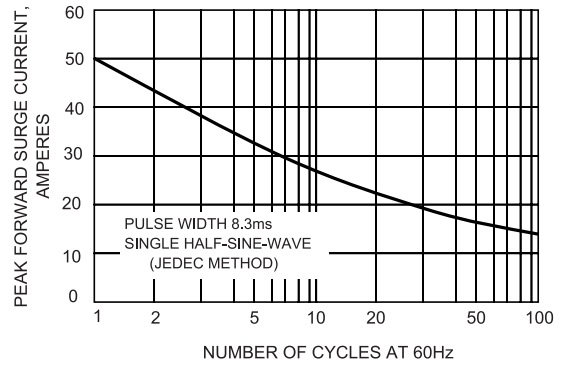


FIG.3-TYPICAL FORWARD CHARACTERISTICS

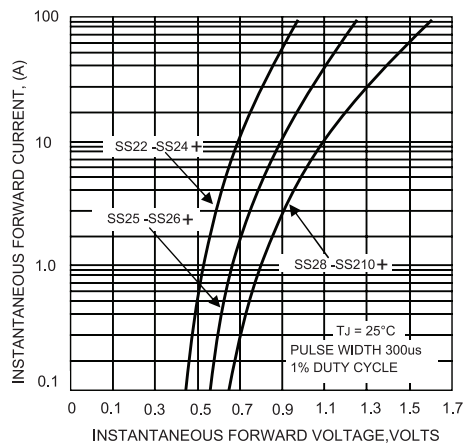


FIG.4-TYPICAL JUNCTION CAPACITANCE

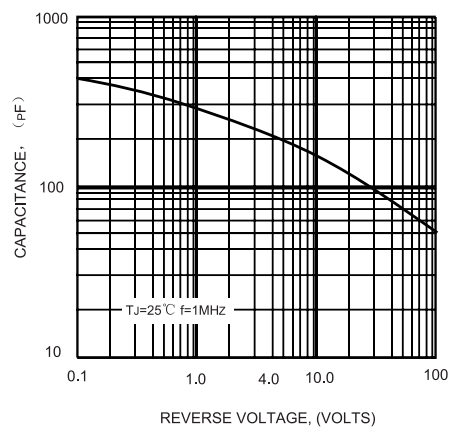
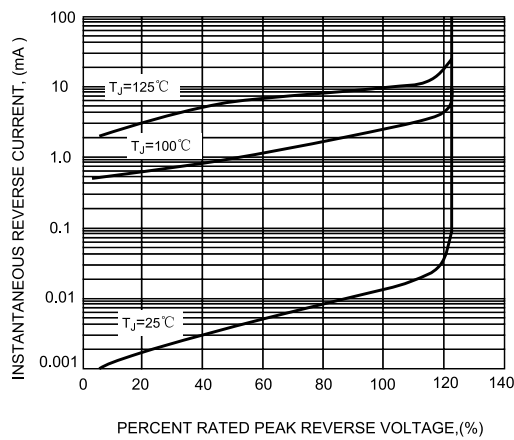
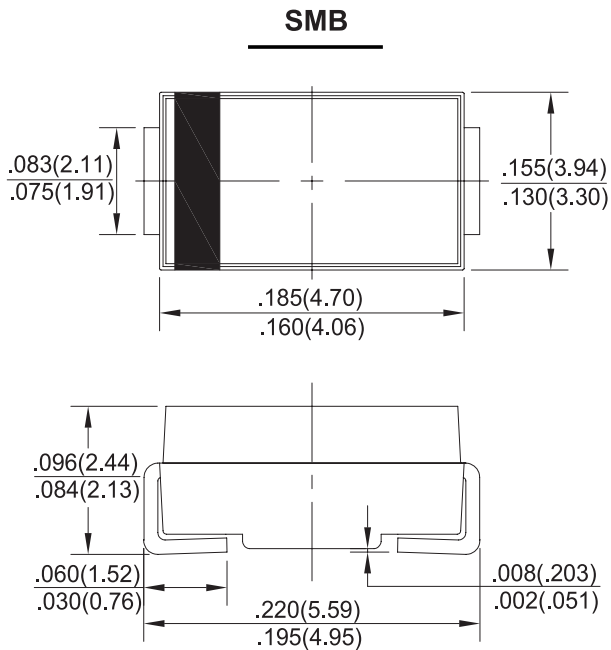


FIG.5-TYPICAL REVERSE CHARACTERISTICS



Dimensions:



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Surface Mount Schottky Barrier Rectifiers	SS22+
	SS23+
	SS24+
	SS25+
	SS26+
	SS210+

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