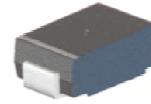


VOLTAGE RANGE: 20Volts TO 100Volts
CURRENT : 2.0 Ampere



Top View of SMBF and Schematic

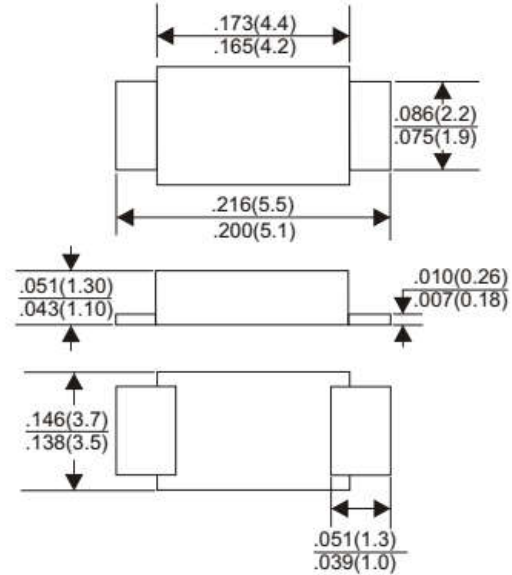
Features

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

Mechanical Data

- * Case: Molded plastic SMBF
- * Epoxy: UL 94V-0 rate flame retardant
- * Metallurgically bonded construction
- * Polarity: Color band denotes cathode end
- * Mounting position: Any
- * Weight:0.068 grams

PKG: SMBF



Maximum Ratings and Electrical Characteristics

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

TYPE NUMBER	SS22BF	SS23BF	SS24BF	SS25BF	SS26BF	SS28BF	SS29BF	SS210BF	units
Maximum Recurrent Peak Reverse Voltage	20	30	40	50	60	80	90	100	V
Maximum RMS Voltage	14	21	28	35	42	56	63	70	V
Maximum DC Blocking Voltage	20	30	40	50	60	80	90	100	V
Maximum Average Forward Rectified Current See Fig.1	2.0								A
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	50								A
Maximum Instantaneous Forward Voltage at 2.0A	0.55		0.70			0.85			V
Maximum DC Reverse Current at Rate DC Blocking Voltage	T _J =25°C								mA
	T _J =75°C								mA
Typical Junction Capacitance ^{Note1}	170								pF
Typical Thermal Resistance R _{JA} ^{Note2}	75								'C/W
Operating Temperature Range T _J	- 65 ~ + 125				- 65 ~ + 150				'C
Storage Temperature Range T _{STG}	- 65 ~ + 150								'C

Note: 1 Measured at 1MHz and applied reverse voltage of 4.0V D.C

2 Thermal Resistance Junction to Ambient.

Typical Characteristics (T_J = 25°C unless otherwise noted)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

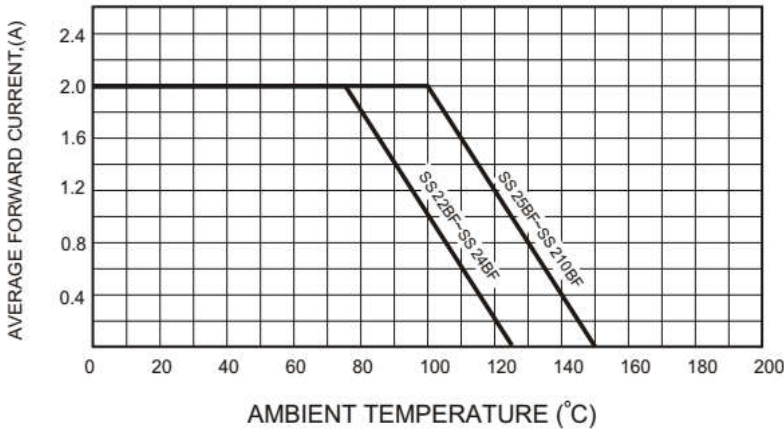


FIG.2-TYPICAL FORWARD CHARACTERISTICS

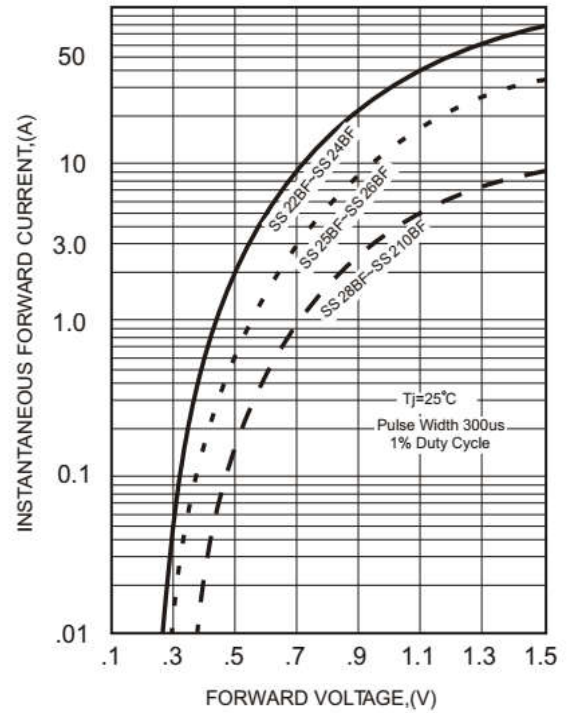


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

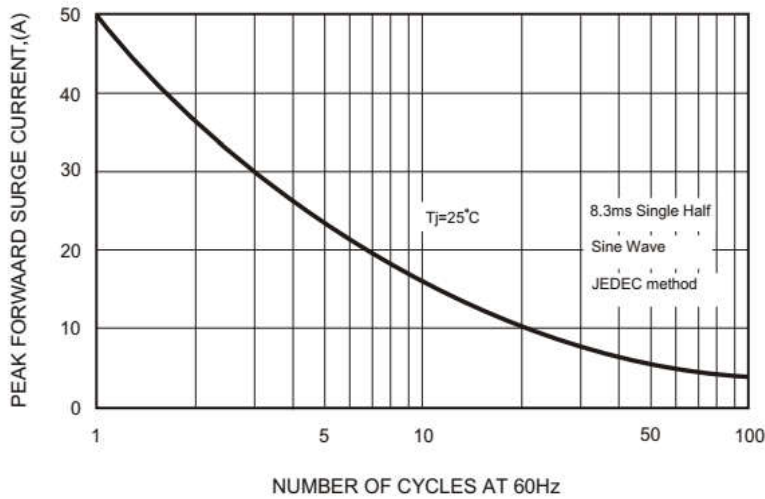


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

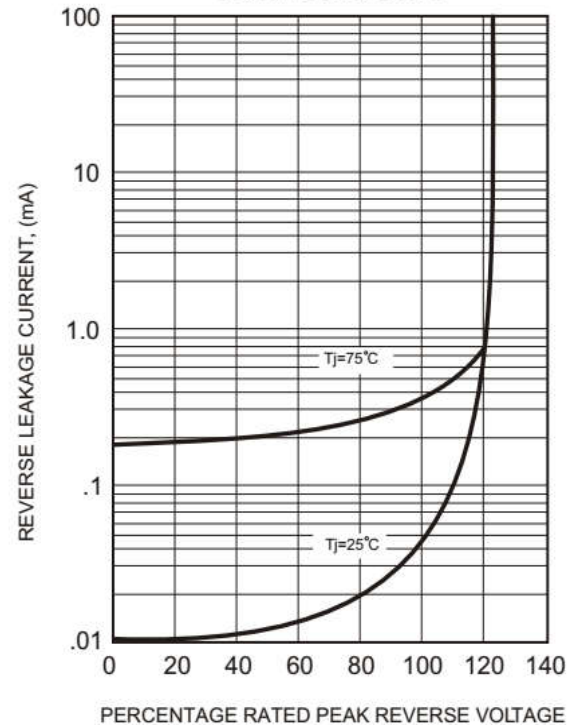


FIG.4-TYPICAL JUNCTION CAPACITANCE

