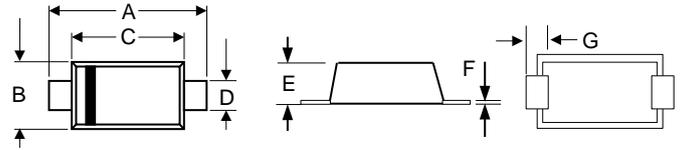


Features

- * Low power loss, high efficiency
- * Ideal for automated placement
- * Guardring for overvoltage protection
- * High surge current capability
- * High Temp Soldering: 260°C for 10seconds at Terminals



RoHS
COMPLIANT



SMBF				
DIM.	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.201	0.217	5.10	5.50
B	0.138	0.146	3.5	3.7
C	0.165	0.173	4.2	4.4
D	0.075	0.087	1.90	2.20
E	0.043	0.051	1.10	1.30
F	0.007	0.010	0.18	0.26
G	0.031	0.047	0.80	1.20

Mechanical Data

- * Case: SMBF Molded plastic
- * Terminals: Solderable per MIL-STD-750, Method 2026
- * Polarity: Indicated by cathode band

Maximum Ratings and Electrical Characteristics (T_A=25°C unless otherwise noted)

Type Number	Symbols	SS22 BF	SS24 BF	SS26 BF	SS28 BF	SS210 BF	SS212 BF	SS215 BF	SS220 BF	Unit
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	20	40	60	80	100	120	150	200	V
Maximum RMS Voltage	V _{RMS}	14	28	42	56	70	84	105	140	V
Maximum D.C Blocking Voltage	V _{DC}	20	40	60	80	100	120	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}	55				45				A
Maximum Instantaneous Forward Voltage at 2.0A	V _F	0.55		0.70		0.85		0.95		V
Maximum D.C Reverse Current @ T _J =25°C at Rated D.C Blocking Voltage @ T _J =125°C	I _R	0.5 5			0.3 3				mA	
Typical Junction Capacitance(Note1)	C _J	220			110				pF	
Typical thermal resistance (Note2)	R _{θJA}	75								°C/W
Operating and Storage Temperature Range	T _J / T _{STG}	-55 to +150								°C

Note 1: Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.

Note 2: P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

Ratings and Characteristic Curves

Fig.1 Forward Current Derating Curve

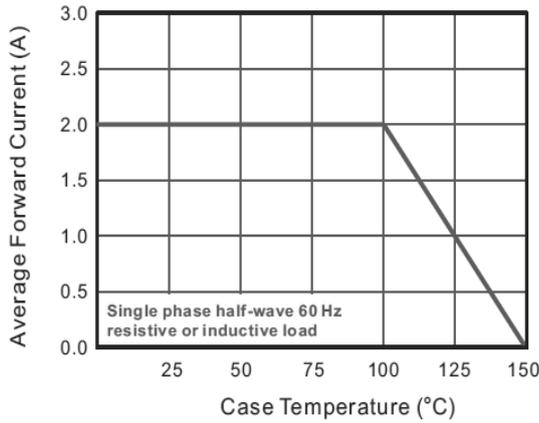


Fig.2 Typical Reverse Characteristics

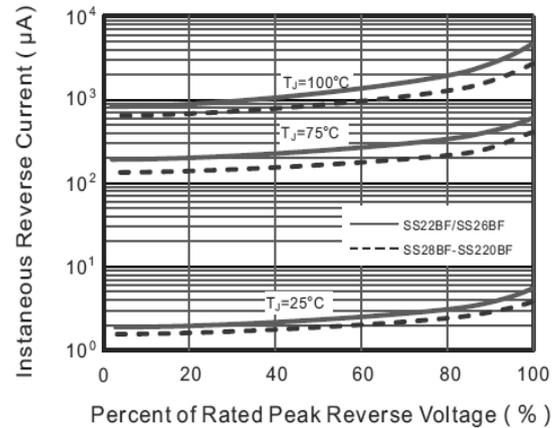


Fig.3 Typical Forward Characteristic

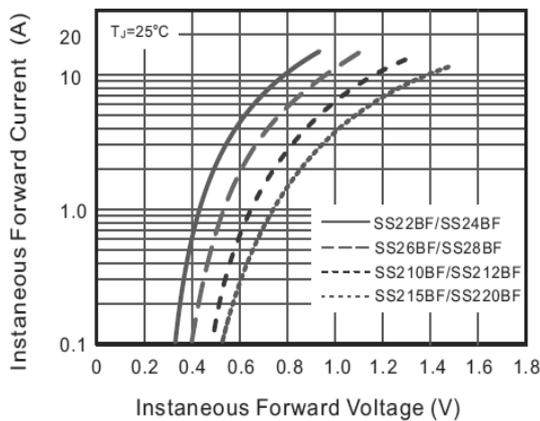


Fig.4 Typical Junction Capacitance

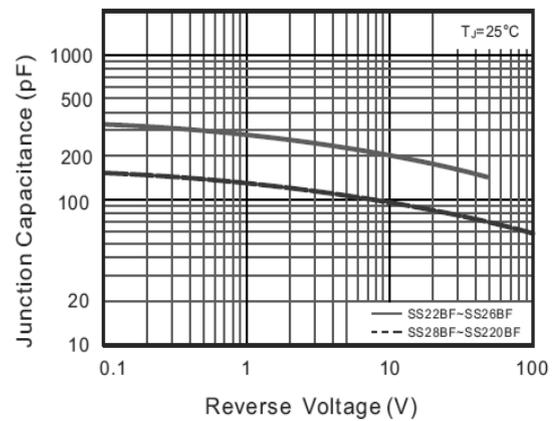


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

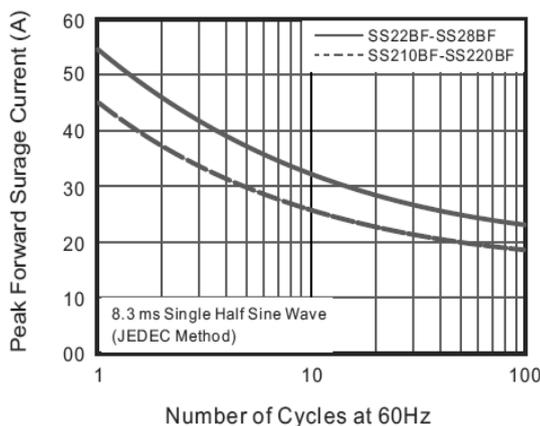
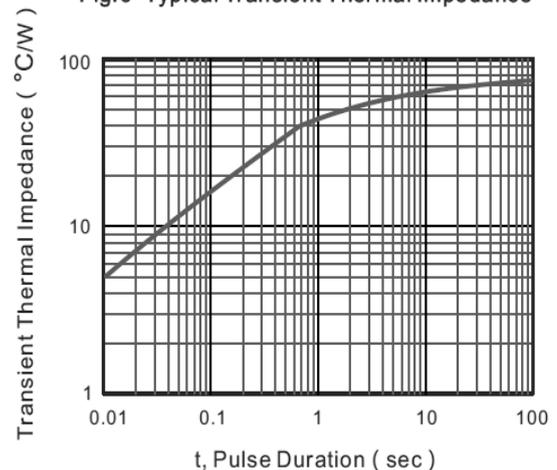


Fig.6 Typical Transient Thermal Impedance





SS22BF THRU SS220BF

2.0 Amp. Surface Mount Schottky Barrier Rectifiers

Ordering Information

Part No.	Package	Packing Code	Packing
SS22BF THRU SS220BF	SMBF	R50	5000pcs/Reel

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