

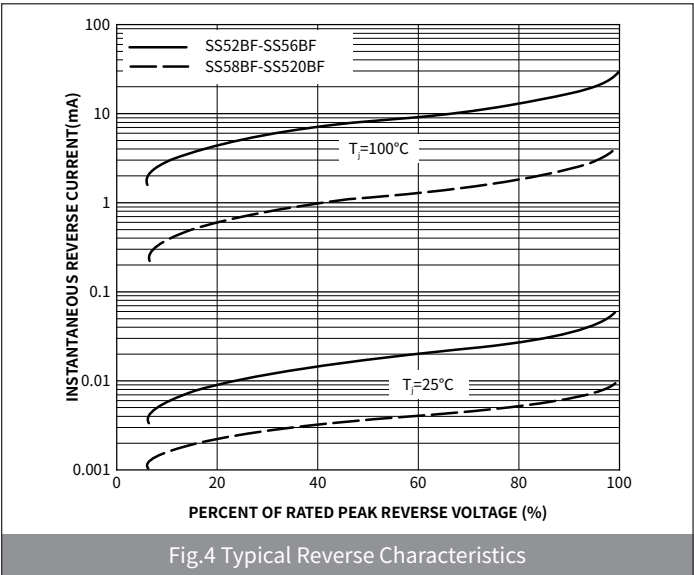
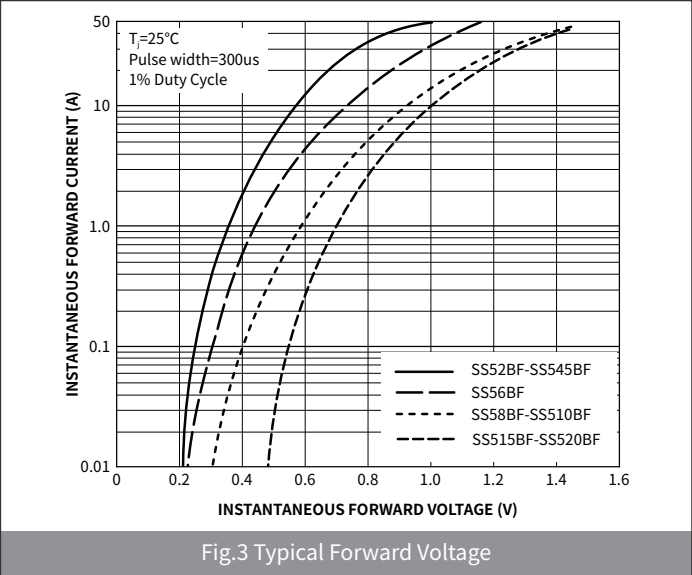
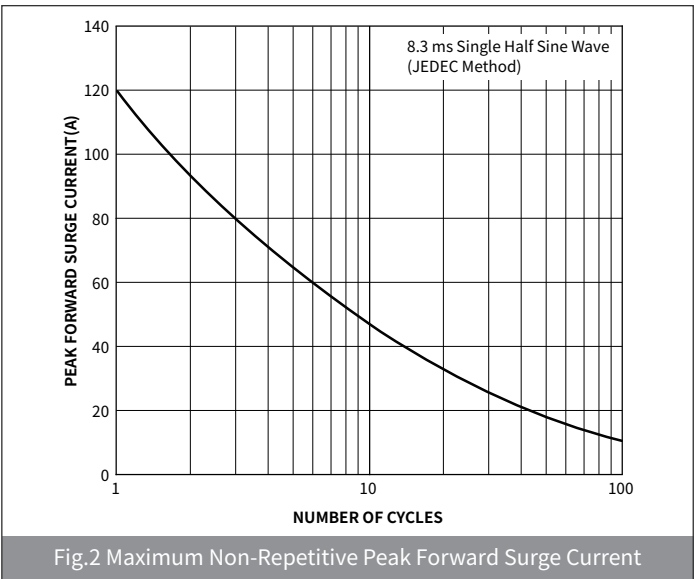
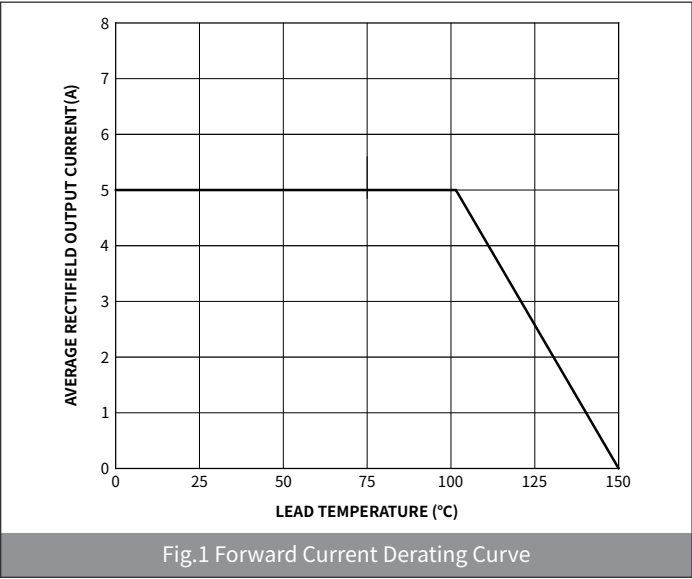
SS52BF THRU SS520BF

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

Electrical Characteristics (Ta=25°C Unless otherwise noted)

PARAMETER	TEST CONDITIONS	SYMBOL	UNIT	SS52BF	SS54BF	SS545BF	SS56BF	SS58BF	SS510BF	SS515BF	SS520BF
Maximum instantaneous forward voltage	I _F =5.0A	V _F	V	0.55			0.70	0.85		0.95	
Maximum DC reverse current at rated DC blocking voltage	V _R =V _{DC} , T _A =25°C	I _{R1}	mA	0.5					0.05		
	V _R =V _{DC} , T _A =100°C	I _{R2}		50					10		
Typical junction capacitance	4.0V DC,1MHz	C _J	pF	800			500				

Ratings And Characteristics Curves (Ta=25°C Unless otherwise specified)



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● Ordering Information

PACKAGE	PACKAGE CODE	UNIT WEIGHT(g)	REEL(pcs)	BOX(pcs)	CARTON(pcs)	DELIVERY MODE
SMBF	R2	0.065	3000	6000	48000	11"
SMBF	R3	0.065	5000	10000	80000	13"

● Package Outline Dimensions (SMBF)

Symbol	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	1.90	2.10	0.074	0.083
B	4.15	4.45	0.163	0.175
C	3.40	3.80	0.133	0.150
D	5.10	5.60	0.200	0.220
E	1.05	1.55	0.041	0.061
F	0.70	1.35	0.027	0.053
G	0.15	0.25	0.006	0.010

The diagram illustrates the physical dimensions of the SMBF package. The top view shows a rectangular component with a vertical 'Cathode Band' on the left side. Dimensions A, B, and C are labeled on the top view. The side view shows the component's profile with dimensions D, E, F, and G. Dimension A is the height of the main body, B is the width, C is the total height including the leads, D is the total length, E is the lead height, F is the lead width, and G is the lead thickness.

● Suggested Pad Layout

Symbol	Dimensions			
	Millimeters		Inches	
	Min.	Max.	Min.	Max.
M	2.20	-	0.086	-
J	1.90	-	0.075	-
K	-	2.40	-	0.094

The diagram shows the suggested pad layout for the component. It consists of two shaded rectangular pads. Dimension M is the height of the pads. Dimension J is the width of each pad. Dimension K is the distance between the inner edges of the two pads.