

For surface mounted applications
Low profile package
Glass Passivated Chip Junction
High efficiency
Lead free in comply with EU RoHS 2011/65/EU directives

Case: SMBF
Terminals: Solderable per MIL-STD-750, Method 2026
Approx. Weight: 57mg / 0.002oz

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

Maximum Repetitive Peak Reverse Voltage	50	100	200	400	600	800	1000
Maximum RMS voltage	35	70	140	280	420	560	700
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000

Maximum Average Forward Rectified Current
at T_c = 125 °C

Fig.2 Typical Reverse Characteristics



Marking Diagram

Ordering information

Package	Packing Description	Packing Quantity
SMBF	Tape/Reel,13”reel	5000PCS/Reel 50000PCS/Carton

Package Dimensions

SMBF

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	1.1	1.3	43	51
C	0.18	0.26	7	10
D	4.2	4.4	165	173
E	3.5	3.7	138	146
H_E	5.1	5.5	200	216
e	2.2	1.9	75	86
g	1.0		40	

9°