

Bridge Rectifier Diode 整流桥

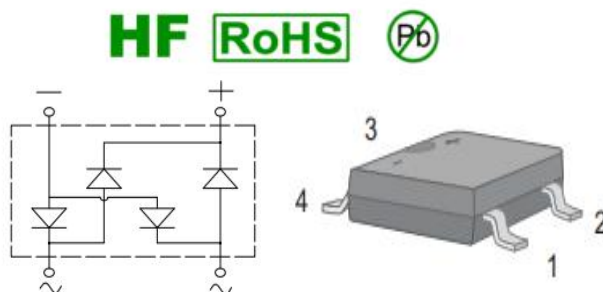
■Features 特点

Fast Recovery time 快恢复时间

High surge current capability 高浪涌电流能力

Reflow Solder Temperature 220℃ 回流焊温度 220 度

Package 封装: ABS



■Maximum Rating 最大额定值

($T_A=25^{\circ}\text{C}$ unless otherwise noted 如无特殊说明, 温度为 25°C)

Characteristic 特性参数	Symbol 符号	FBS205 -AAF	FBS21 -AAF	FBS22 -AAF	FBS24 -AAF	FBS26 -AAF	FBS28 -AAF	FBS210 -AAF	Unit 单位
Peak Reverse Voltage 反向峰值电压	V _{RRM}	50	100	200	400	600	800	1000	V
DC Reverse Voltage 直流反向电压	V _{R(DC)}	50	100	200	400	600	800	1000	V
RMS Reverse Voltage 反向电压均方根值	V _{R(RMS)}	35	70	140	280	420	560	700	V
Reverse Recovery Time 反向恢复时间	T _{RR}	150				350	500		nS
Forward Rectified Current 正向整流电流	I _F	2							A
Peak Surge Current 峰值浪涌电流	I _{FSM}	70							A
Thermal Resistance J-A 结到环境热阻	R _{θJA}	75							°C/W
Junction and Storage Temperature 结温和储藏温度	T _J ,T _{stg}	150°C,-55to+150°C							

■Electrical Characteristics 电特性

($T_A=25^{\circ}\text{C}$ unless otherwise noted 如无特殊说明, 温度为 25°C)

Characteristic 特性参数	Symbol 符号	Min 最小值	Typ 典型值	Max 最大值	Unit 单位	Condition 条件
Forward Voltage 正向电压降	V_F		1.3		V	$I_F=1\text{A}$
Reverse Current ($T_A=25^{\circ}\text{C}$) 反向漏电流($T_A=100^{\circ}\text{C}$)	I_R			5 200	μA	$V_R=V_{RRM}$
Diode Capacitance 二极管电容	C_D		15		pF	$V_R=4\text{V}, f=1\text{MHz}$

■ Typical Characteristic Curve 典型特性曲线

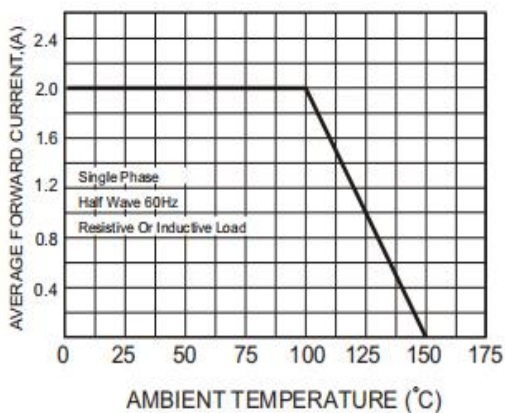


Figure 1: Forward Current Derating Curve

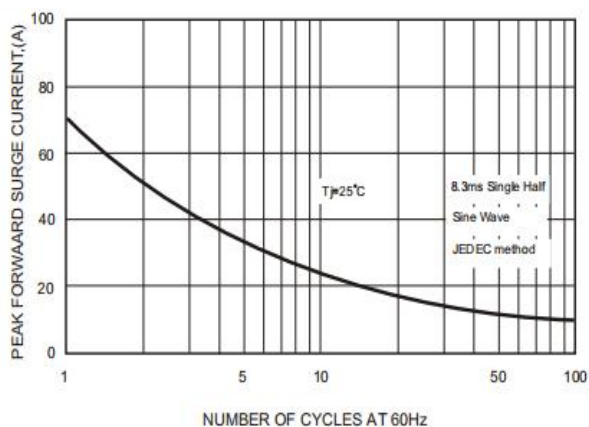


Figure 2: Peak Forward Surge Current

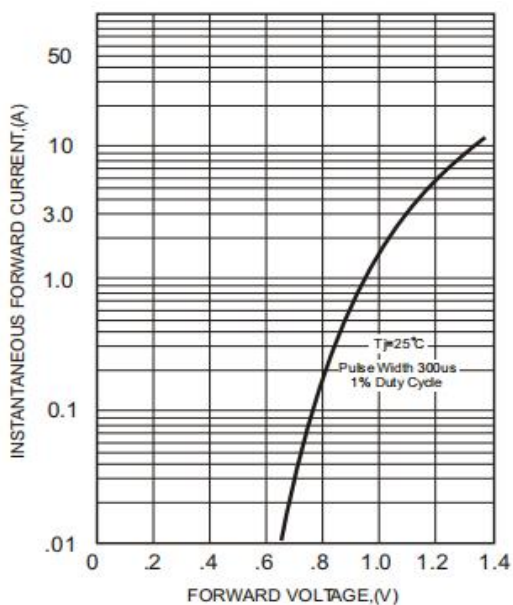


Figure 3: Instantaneous Forward Characteristics

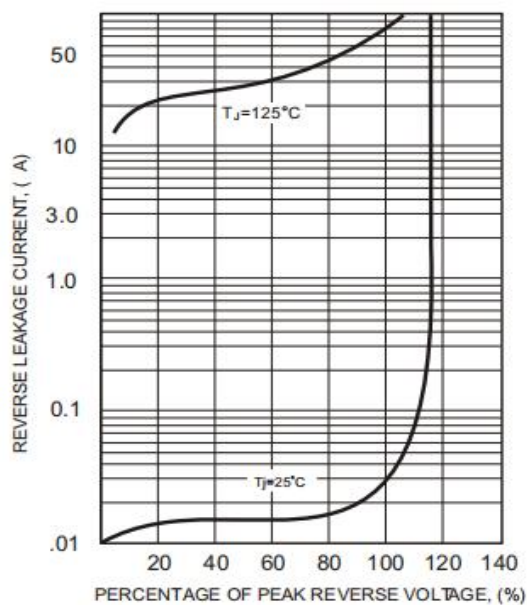
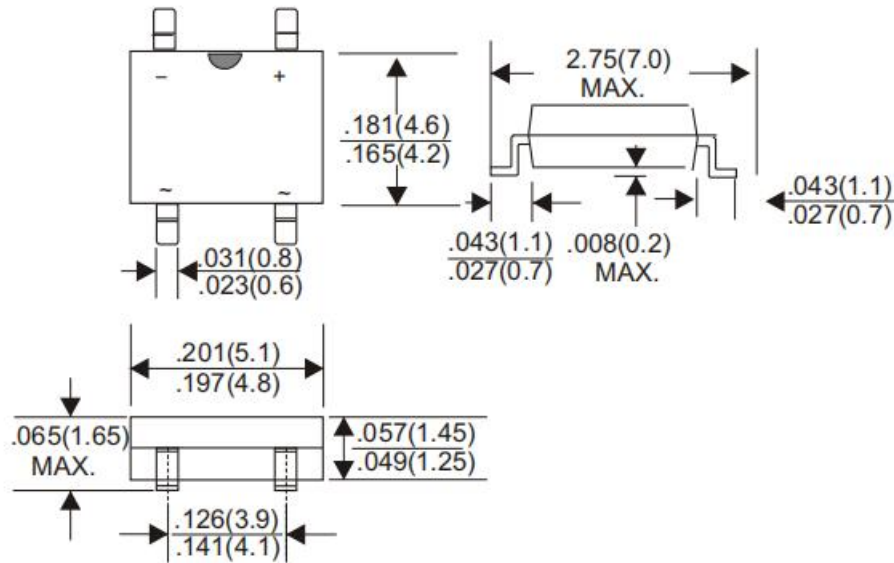


Figure 4: Reverse Leakage Characteristics

■Dimension 外形封装尺寸

ABS



Dimensions in inches and (millimeters)