

Fast Bridge Rectifier

■特征 Features

- I_o 1A
- V_{RRM} 100V~1000V
- 玻璃钝化芯片
Glass passivated chip
- 耐正向浪涌电流能力高
High surge forward current capability

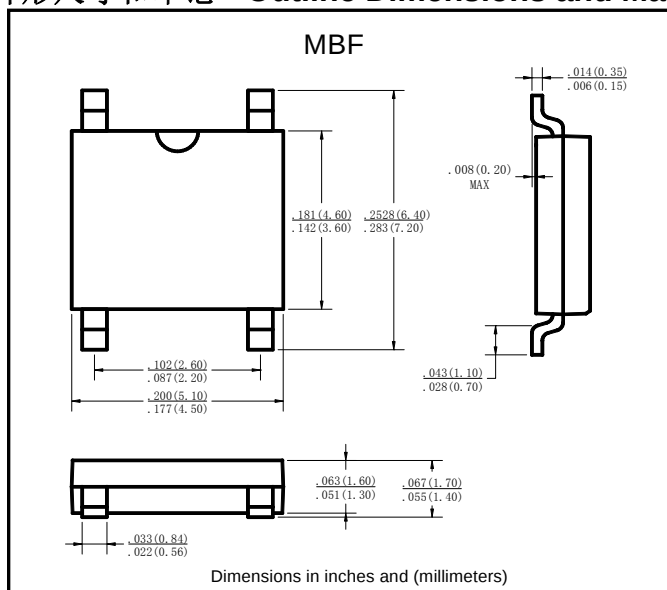
■用途 Applications

- 作一般电源单相桥式整流用
General purpose 1 phase Bridge rectifier applications

■极限值（绝对最大额定值）

Limiting Values (Absolute Maximum Rating)

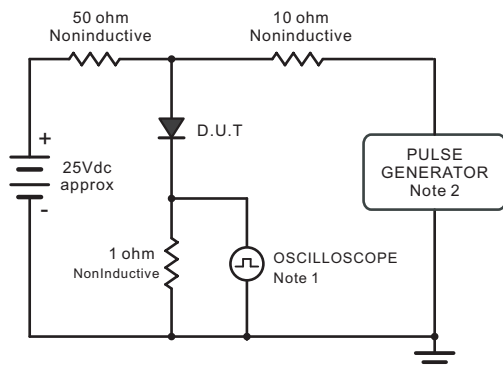
■外形尺寸和印记 Outline Dimensions and Mark



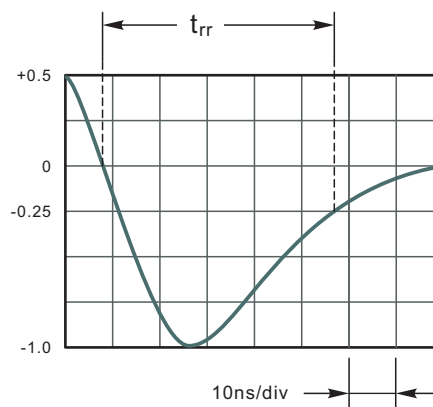
Parameter	Symbols	UMB1F	UMB2F	UMB4F	UMB6F	UMB8F	UMB10F	Units
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RMS}	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	100	200	400	600	800	1000	V
Average Rectified Output Current at T _c = 125 °C	I _O	1.0						A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	35						A
Maximum Forward Voltage at 1.0 A	V _F	1.0		1.3	1.5			V
Maximum DC Reverse Current T _a = 25 °C at Rated DC Blocking Voltage T _a =125 °C	I _R	5.0 100						μA
Typical Junction Capacitance ¹⁾	C _j	18						pF
Maximum Reverse Recovery Time ²⁾	t _{rr}	50			75			ns
Typical Thermal Resistance ³⁾	R _{θJA} R _{θJC}	72 20						°C/W
Operating and Storage Temperature Range	T _j , T _{stg}	-55 ~ +150						°C

■特性曲线（典型） Characteristics(Typical)

Fig.1 Reverse Recovery Time Characteristic And Test Circuit Diagram



Note: 1. Rise Time = 7ns, max.
Input Impedance = 1megohm, 22pF.
2. Rise Time = 10ns, max.
Source Impedance = 50 ohms.



Set time Base for 10ns/div

Fig.2 Maximum Average Forward Current Rating

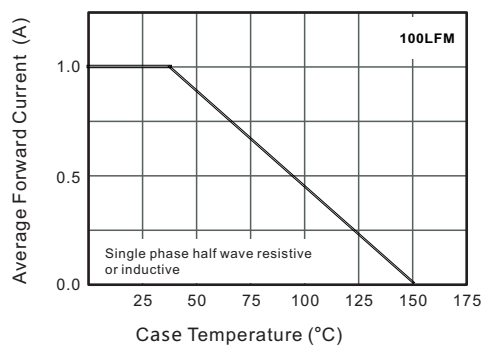


Fig.3 Typical Reverse Characteristics

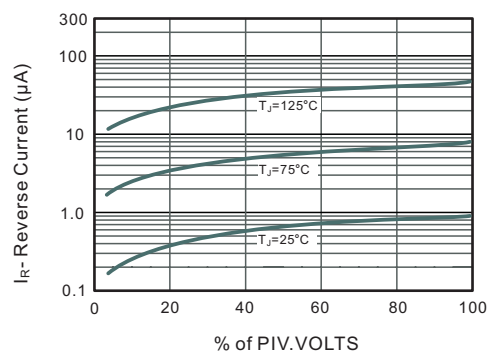


Fig.3 Typical Instantaneous Forward Characteristics

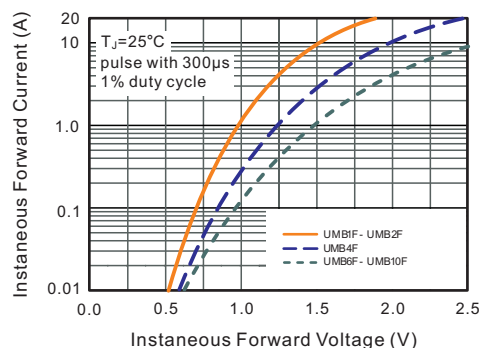


Fig.4 Maximum Non-Repetitive Peak Forward Surge Current

