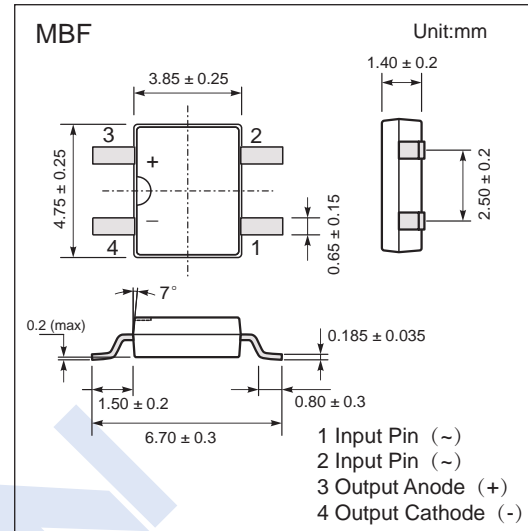


Schottky Bridge

MB24F ~ MB220F

■ Features

- Reverse Voltage - 40 to 200 V
- Forward Current - 2 A
- High Surge Current Capability
- Designed for Surface Mount Application



■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	MB 24F	MB 26F	MB 28F	MB 210F	MB 220F	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	40	60	80	100	200	V
RMS Voltage	V_{RMS}	28	42	56	70	140	
Maximum DC Blocking Voltage	V_{DC}	40	60	80	100	200	
Forward Voltage @ $I_F=2A$	V_F	0.55	0.7	0.85			A
Average Forward Rectified Current	I_{FAV}	2					
Peak Forward Surge Current @ 8.3ms	I_{FSM}	50			40		mA
Maximum DC Reverse Current $T_a=25^\circ\text{C}$ $T_a=125^\circ\text{C}$	I_R	0.5			0.3		
		10			5		
Typical Junction Capacitance *1	C_j	220	80				pF
Thermal Resistance.Junction- to-Ambient	R_{thJA}	75					$^\circ\text{C}/\text{W}$
Junction Temperature	T_j	125					$^\circ\text{C}$
Storage Temperature	T_{stg}	-55 to 150					

* 1 Measured at 1MHz and applied reverse voltage of 4V D.C

■ Marking

NO.	MB24F	MB26F	MB28F	MB210F	MB220F
Marking	MB24F	MB26F	MB28F	MB210F	MB220F

Schottky Bridge

MB24F ~ MB220F

■ Typical Characteristics

Fig.1 Forward Current Derating Curve

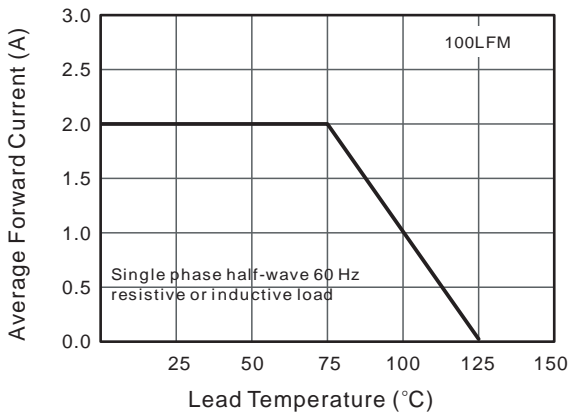


Fig.2 Typical Reverse Characteristics

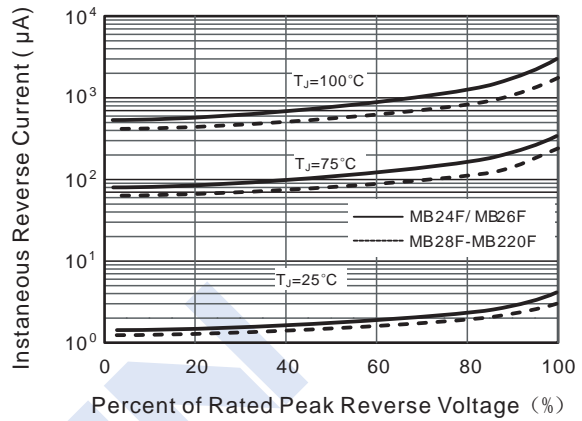


Fig.3 Typical Forward Characteristic

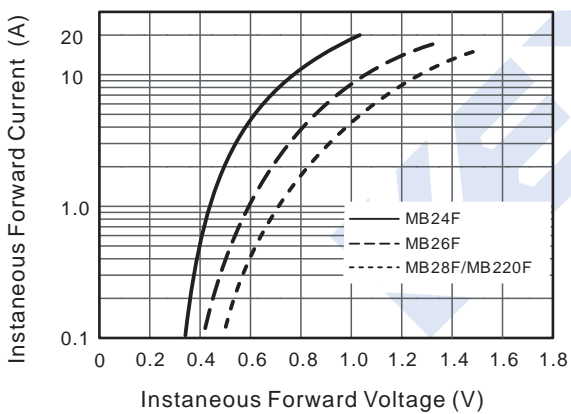


Fig.4 Typical Junction Capacitance

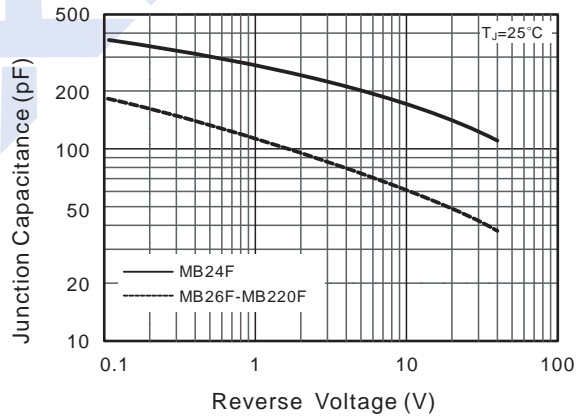


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

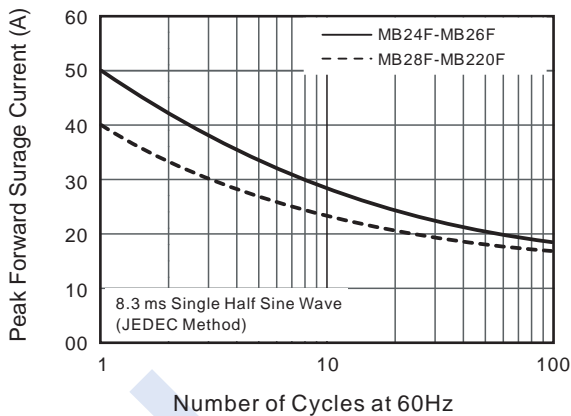


Fig.6- Typical Transient Thermal Impedance

