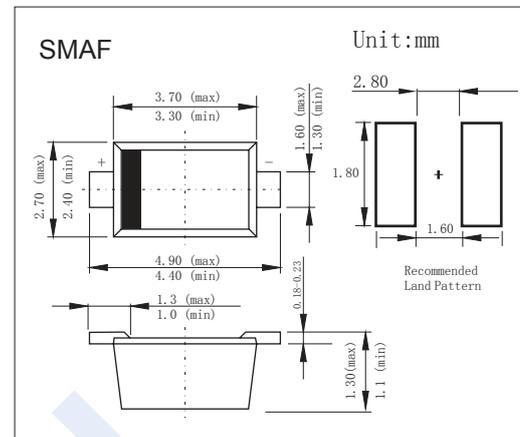


Schottky Diodes

SS32F-HF ~ SS320F-HF

■ Features

- Low power loss, high efficiency
- High forward surge current capability
- Reverse Voltage - 20 to 200 V
- Forward Current - 3A
- Pb-Free Package May be Available. The G-Suffix Denotes a Pb-Free Lead Finish



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	SS 32F-HF	SS 34F-HF	SS 36F-HF	SS 38F-HF	SS 310F-HF	SS 312F-HF	SS 315F-HF	SS 320F-HF	Unit	
Repetitive Peak Reverse Voltage	V _{RRM}	20	40	60	80	100	120	150	200	V	
RMS Voltage	V _{RMS}	14	28	42	56	70	84	105	140		
Maximum DC Blocking Voltage	V _{DC}	20	40	60	80	100	120	150	200		
Forward Voltage @ 3A	V _F	0.55		0.7		0.85		0.95		A	
Averaged Forward Current	I _{FAV}	3									
Peak Forward Surge Current @ 8.3ms	I _{FSM}	80				70				mA	
Maximum DC Reverse Current Ta=25°C Ta=100°C	I _R	0.5		0.3		0.3		0.3			
Typical Junction Capacitance (Note.1)	C _j	250			160				pF		
Typical Thermal Resistance	R _{θJA}	40									
Junction Temperature	T _j	125									°C
Storage Temperature	T _{stg}	-55 to 150									

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

■ Marking

NO.	SS32F-HF	SS34F-HF	SS36F-HF	SS38F-HF	SS310F-HF	SS312F-HF	SS315F-HF	SS320F-HF
Marking	S32 _F	S34 _F	S36 _F	S38 _F	S310 _F	S312 _F	S315 _F	S320 _F

Schottky Diodes

SS32F-HF ~ SS320F-HF

■ Typical Characteristics

Fig.1 Forward Current Derating Curve

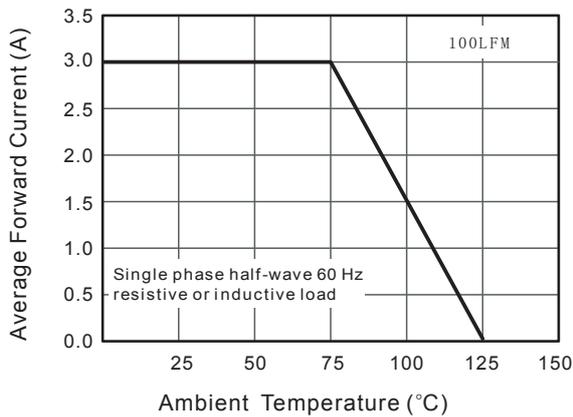


Fig.2 Typical Reverse Characteristics

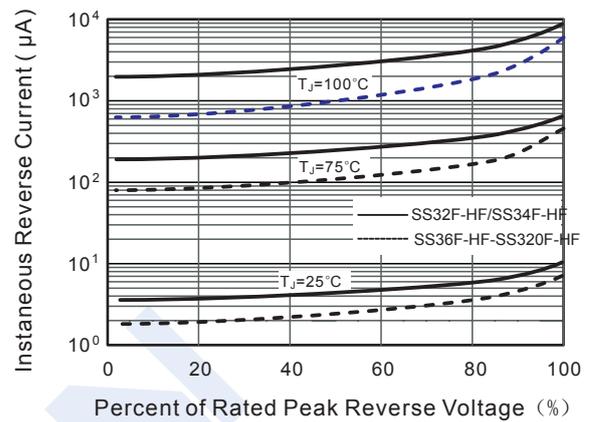


Fig.3 Typical Forward Characteristic

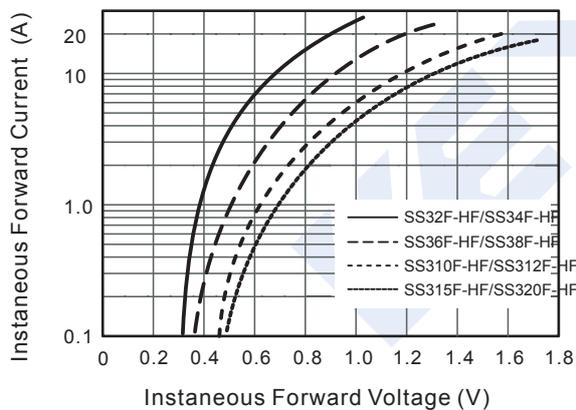


Fig.4 Typical Junction Capacitance

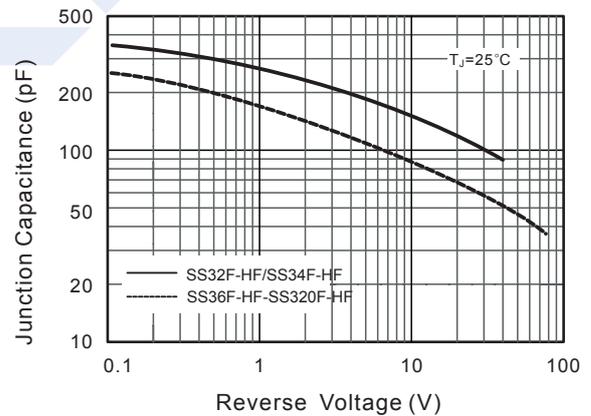


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

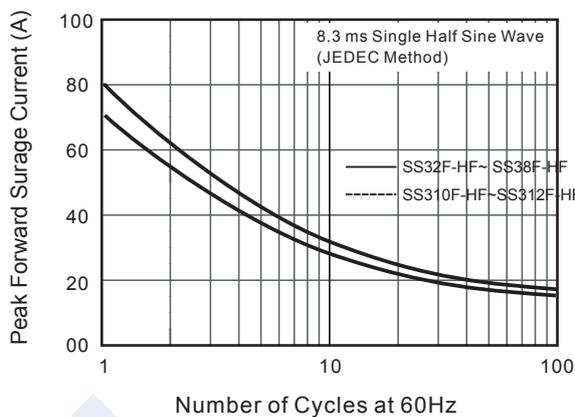


Fig.6- Typical Transient Thermal Impedance

