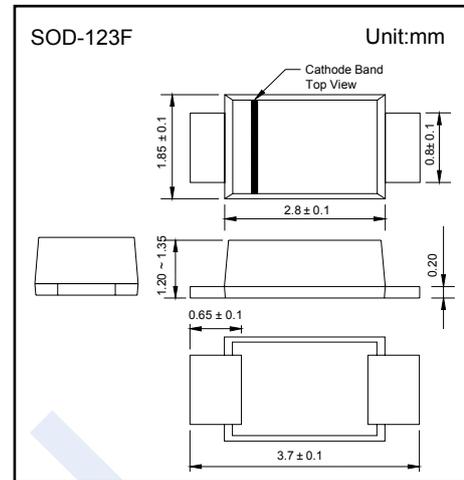


Schottky Diodes

SS32F ~ SS320F

■ Features

- Low power loss, high efficiency
- High forward surge current capability
- Reverse Voltage - 20 to 200 V
- Forward Current - 3A



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	SS 32F	SS 34F	SS 36F	SS 38F	SS 310F	SS 312F	SS 315F	SS 320F	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		5			
Typical Junction Capacitance (Note.1)	C _j	250			160				pF		
Typical Thermal Resistance	R _{θJA}	40									°C/W
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	SS34F	SS36F	SS38F	SS310F	SS312F	SS315F	SS320F
Marking	S32	S34	S36	S38	S310	S312	S315	S320

Schottky Diodes

SS32F ~ SS320F

■ Typical Characteristics

Fig.1 Forward Current Derating Curve

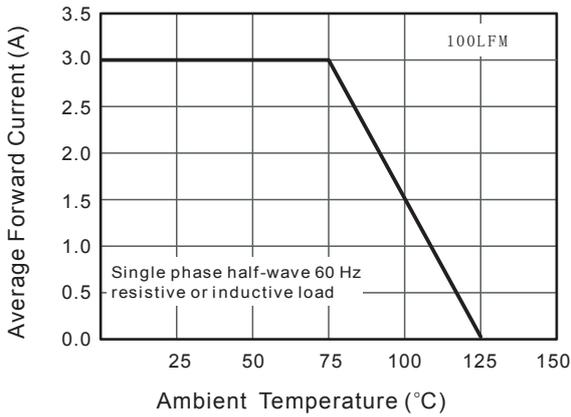


Fig.2 Typical Reverse Characteristics

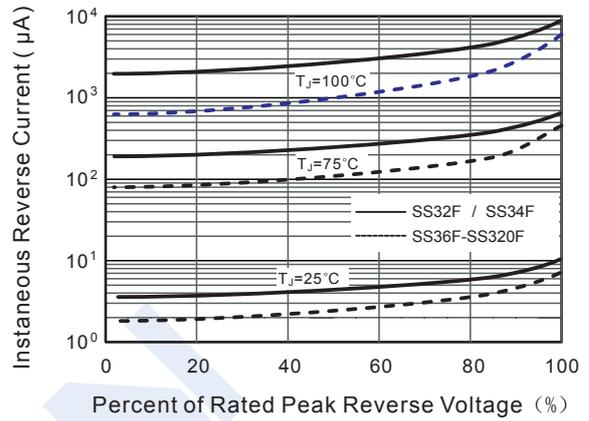


Fig.3 Typical Forward Characteristic

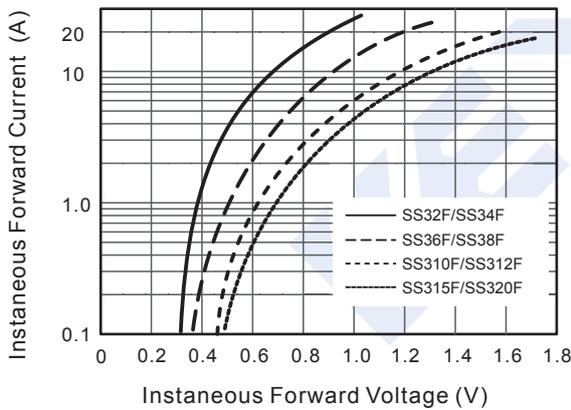


Fig.4 Typical Junction Capacitance

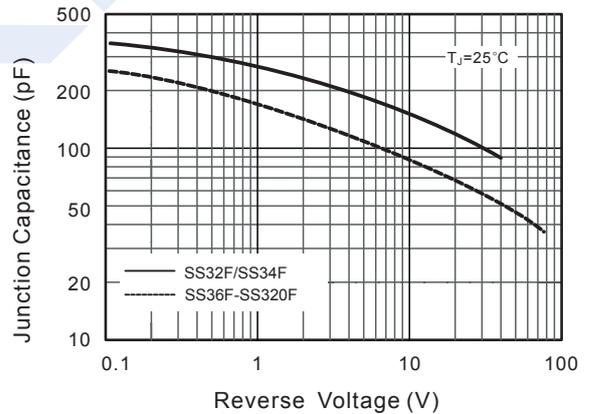


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

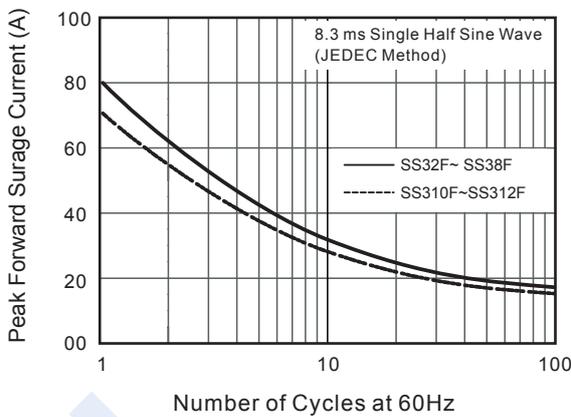


Fig.6- Typical Transient Thermal Impedance

