

Product data sheet

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SS22F THRU SS2200F

Semiconductor Compiance



PINNING

PIN	DESCRIPTION			
1	Cathode			
2	Anode			

FEATURES

- Metal silicon junction, majority carrier conducion
- For surface mounted applications
- Low power loss, high efficiency
- High forward surge current capability
- •For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications

MECHANICAL DATA

- Case:SMAF
- Terminals:Solderableper MIL-STD-750,Method 2026
- Approx.Weight:27mg 0.00086oz

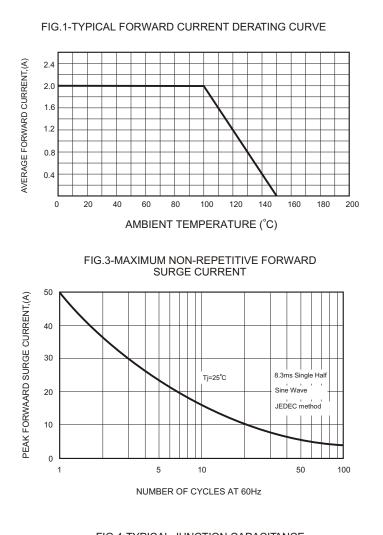
Absolute Maximum Ratings and Electrical characteristics Ratings at 25 °C ambient temperature unless otherwise specified.Single phase, half wave, 60Hz resistive or inductive load, for capacitive load, derate by 20 %

Parameter	Symbols	SS22F	SS24F	SS26F	SS28F	SS210F	SS212F	SS215F	SS220F	Unit s
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	20	40	60	80	100	120	150	200	V
Maximum RMS voltage	V _{RMS}	14	28	42	56	70	84	105	140	V
Maximum DC Blocking Voltage	V _{DC}	20	40	60	80	100	120	150	200	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	2.0						А		
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	50 40						А		
Max Instantaneous Forward Voltage at 2 A	$V_{\rm F}$	0.55		0.). 70 0.		. 85 0.		95	V
$\begin{array}{llllllllllllllllllllllllllllllllllll$	I _R	0.5 10 0.3 5						mA		
Typical Junction Capacitance ¹⁾	Cj	220 80						pF		
Operating Junction Temperature Range	Tj	-55 ~ +125							°C	
Storage Temperature Range	T _{stg}	-55 ~ +150						°C		

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



RATINGS AND CHARACTERISTIC CURVES SS22F THRU SS2200F



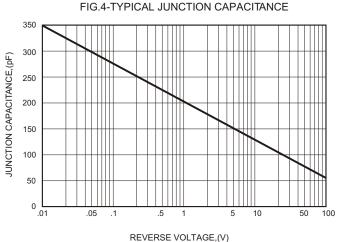
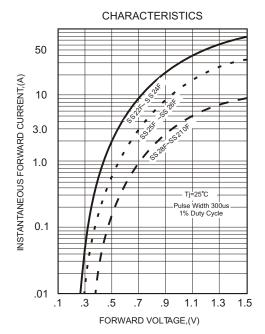
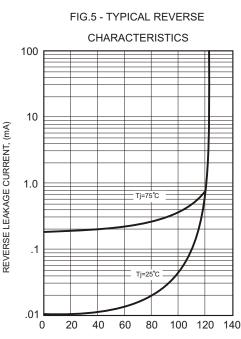


FIG.2-TYPICAL FORWARD





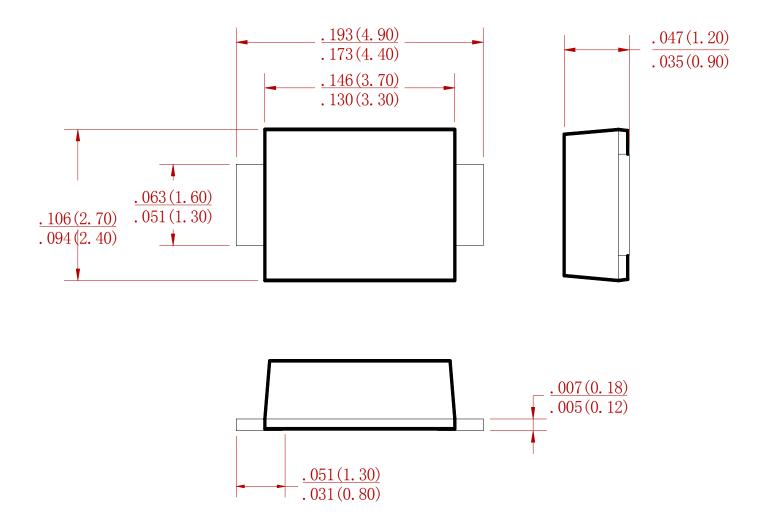
PERCENTAGE RATED PEAK REVERSE VOLTAGE



SS22F THRU SS2200F HF

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PACKAGE MECHANICAL DATA



Dimensions in inches and (millimeters)

REEL SPECIFICATION

P/N	PKG	QTY
SS22F THRU SS2200F	SMAF	3000



SS22F THRU SS2200F

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