

**Features**

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Guard Ring Protection
- Low Forward Voltage Drop
- For Use In Low Voltage, High Frequency Inverters
- High Surge Current Capability
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

**Maximum Ratings**

- Operating Junction Temperature Range: -65°C to +125°C
- Storage Temperature Range: -65°C to +150°C
- Maximum Thermal Resistance: 80°C/W Junction to Ambient<sup>(Note 1)</sup>

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SS24FH	L4	40V	28V	40V

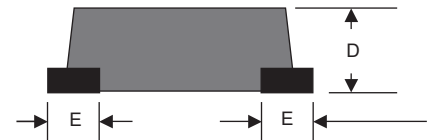
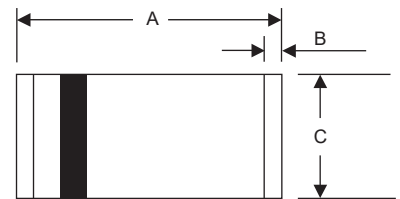
**Electrical Characteristics @ 25°C Unless Otherwise Specified**

Maximum Average Forward Current	$I_{F(AV)}$	2.0A	$T_A=50^\circ\text{C}$
Non-Repetitive Peak Forward Surge Current	$I_{FSM}$	40A	1ms Square-Wave
Maximum Instantaneous Forward Voltage	$V_F$	0.48V	$I_F=2.0\text{A}; T_J=25^\circ\text{C}$
Maximum DC Reverse Current at Rated DC Blocking Voltage	$I_R$	0.5mA 20mA	$T_J=25^\circ\text{C}$ $T_J=100^\circ\text{C}$

Note:1. Mounted on Aluminum Substrate.

**2 Amp  
Schottky Barrier  
Rectifier  
40 Volts**

**SOD-323FH**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.091	0.106	2.30	2.70	
B	0.012		0.30		Typ.
C	0.041	0.057	1.05	1.45	
D	0.031	0.047	0.80	1.20	
E	0.016		0.40		Typ.

## Curve Characteristics

Fig. 1 - Forward Current Derating Curve

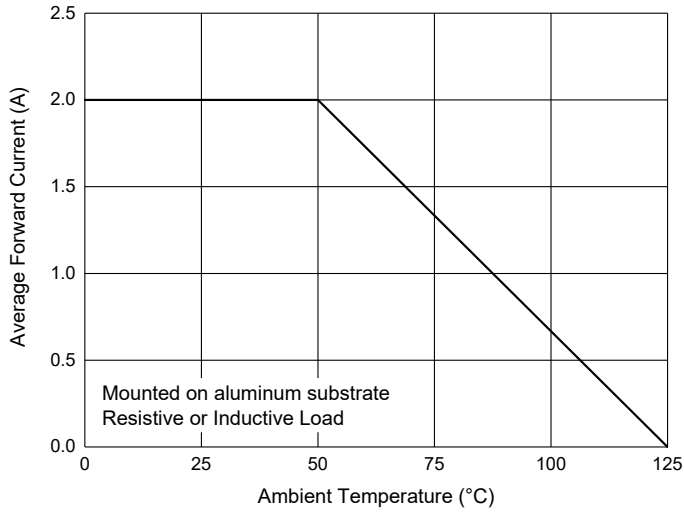


Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current

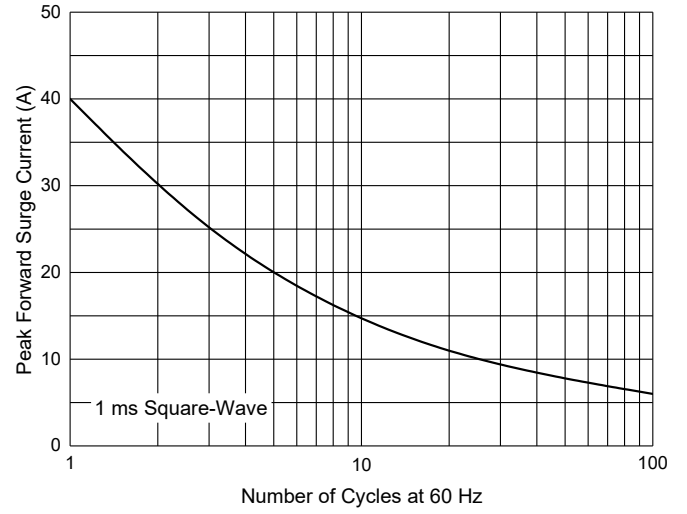


Fig. 3 - Typical Instantaneous Forward Characteristics

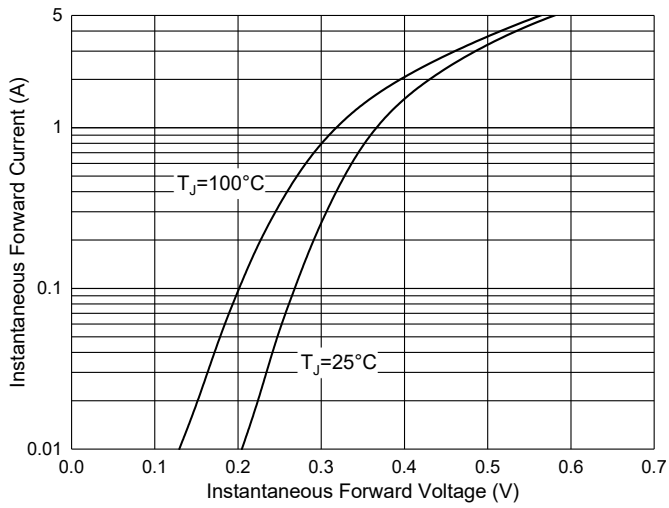
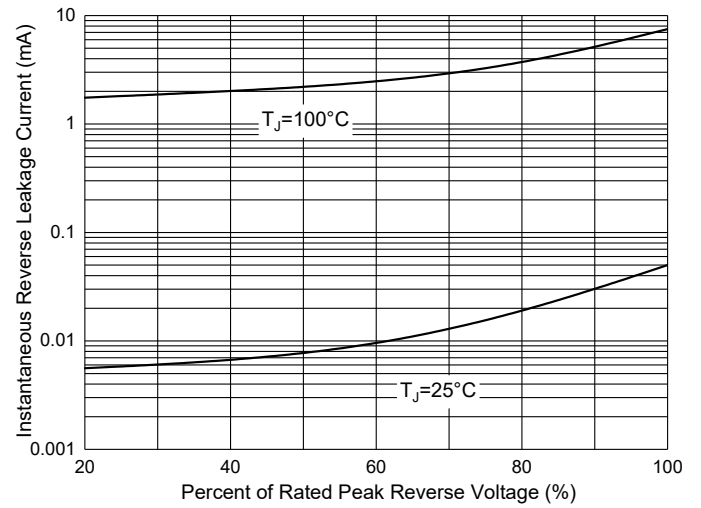


Fig. 4 - Typical Reverse Leakage Characteristics



## Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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