

Features

- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Guard Ring Protection
- · High Surge Capability
- 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(SS24HE): -55°C to +125°C
- * Operating Junction Temperature Range(SS26HE~SS2200HE): -55°C to +150°C
- * Storage Temperature Range: -55°C to +150°C
- * Typical Thermal Resistance: 70°C/W Junction to Ambient(Note 1)
- * Typical Thermal Resistance: 30°C/W Junction to Lead(Note 1)

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
SS24HE	24	40V	28V	40V
SS26HE	26	60V	42V	60V
SS2100HE	20	100V	70V	100V
SS2200HE	220	200V	140V	200V

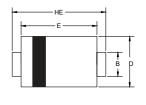
Electrical Characteristics @ 25°C Unless Otherwise Specified

Maximum Average Forward Current	I _{F(AV)}	2.0A	See Fig 1
Non-Repetitive Peak Forward Surge Current	I _{FSM}	50A	8.3ms Single Half Sine-Wave
Maximum Instantaneous Forward Voltage \$\$24HE \$\$26HE \$\$2100HE \$\$2200HE		0.50V 0.70V 0.85V 0.92V	I _F =2.0A;T _J =25°C I _F =2.0A;T _J =25°C I _F =2.0A;T _J =25°C I _F =2.0A;T _J =25°C
Maximum DC Reverse Current at Rated DC Blocking Voltage SS24HE~SS26HE SS2100HE~SS2200HE	I _R	0.5mA 20mA 0.01mA 5mA	T _J =25°C T _J =100°C T _J =25°C T _J =125°C

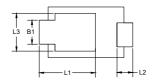
Note:1. Mounted on FR-4 PCB copper, minimum recommended pad layout.

2 Amp Schottky Barrier Rectifier 40~200 Volts

SOD-123HE



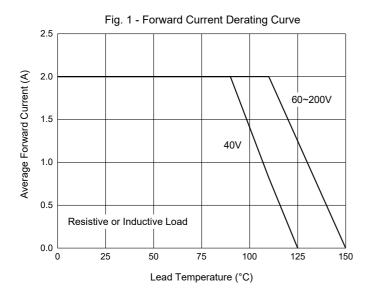


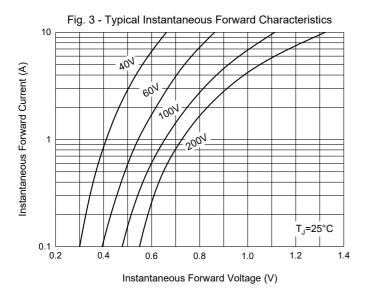


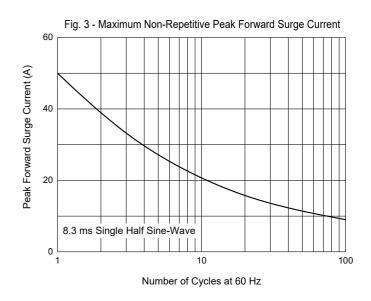
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	NOTE
Α	0.036	0.040	0.90	1.00	
В	0.028	0.044	0.70	1.10	
B1	0.028	0.044	0.70	1.10	
С	0.008(Тур.)	0.20(T	yp.)	
D	0.064	0.080	1.60	2.00	
E	0.116	0.132	2.95	3.35	
L1	0.076	0.092	1.90	2.30	
L2	0.024	0.040	0.60	1.00	
L3	0.036	0.052	0.90	1.30	
HE	0.140	0.156	3.50	3.90	

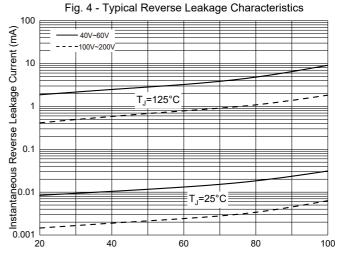


Curve Characteristics











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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