SB1200AH



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

PARAMETER		VALUE	UNITS
Maximum Recurrent Peak Reverse Voltage		200	V
Maximum RMS Voltage	V _{rms}	140	V
Maximum DC Blocking Voltage	V _R	200	V
Maximum Average Forward Current	I _o	1	A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load		30	А
Maximum Forward Voltage at 1A	V _F	0.85	v
Maximum DC Reverse Current at 200V (Note 3) T _j =25°C	I _R	1.8	μA
Maximum DC Reverse Current at 100V (Note 3) T_=75°C T_=85°C T_=100°C	I _R	2 2 6	μA
Typical Junction Capacitance at VR=0V, f=1MHz	C」	85	pF
Typical Thermal Resistance, Junction to Ambient (Note 2) Junction to Case (Note 1)	R _{⊚ja} R _{⊚jc}	185 20	°C/W
Operating Junction Temperature and Storage Temperature Range	T_{J},T_{STG}	-55 to +150	°C

NOTES :

1. Mounted on a FR4 PCB, single-sided copper, with 100 cm² copper pad area.

2. Mounted on a FR4 PCB, single-sided copper, mini pad.

3.Short duration pulse test used to minimize self-heating effect.











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PART NO PACKING CODE VERSION

Part No Packing Code	Package Type	Packing Type	Marking	Version
SB1200AH_R1_00001	SOD-123HE	3K pcs / 7" reel	2AH	Halogen free
SB1200AH_R2_00001	SOD-123HE	10K pcs / 13" reel	2AH	Halogen free

MOUNTING PAD LAYOUT





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