

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Ideal for printed circuit board
- Lead tin plated copper
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product

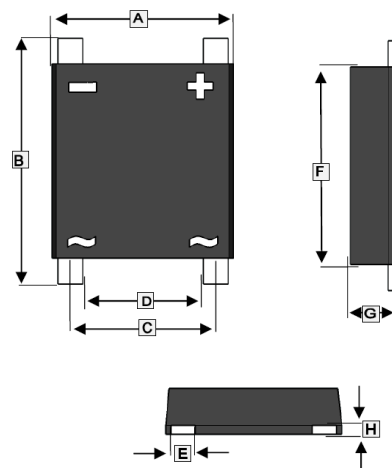
MECHANICAL DATA

- Polarity: Cathode Band
- Mounting position :Any

PACKAGE INFORMATION

Package	MPQ	Leader Size
EBSA	5K	13 inch

EBSA



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.9	5.1	E	0.6	0.7
B	6.0	6.4	F	4.3	4.5
C	3.9	4.1	G	1.45	1.55
D	3.35(TYP.)		H	0.15	0.25

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, de-rate current by 20%.)

Parameter		Symbol	Part Number							Unit
			EBSA 201	EBSA 202	EBSA 203	EBSA 204	EBSA 205	EBSA 206	EBSA 207	
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage		V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		V _{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output		I _F	2							A
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)		I _{FSM}	50							A
Maximum Forward Voltage @ 2A		V _F	1.05							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	T _A =25°C	I _R	5							μA
	T _A =100°C		500							
Typical Junction Capacitance ²		C _J	15							pF
Typical Thermal Resistance ¹		R _{θJC}	30							°C / W
Operating and Storage temperature range		T _J , T _{STG}	-55~150							°C

Note:

1. Thermal resistance junction to case
2. Measured at 1.0MHZ and applied reverse voltage of 4.0V DC

RATINGS AND CHARACTERISTIC CURVES

FIG. 1-TYPICAL FORWARD CURRENT DERATING CURVE

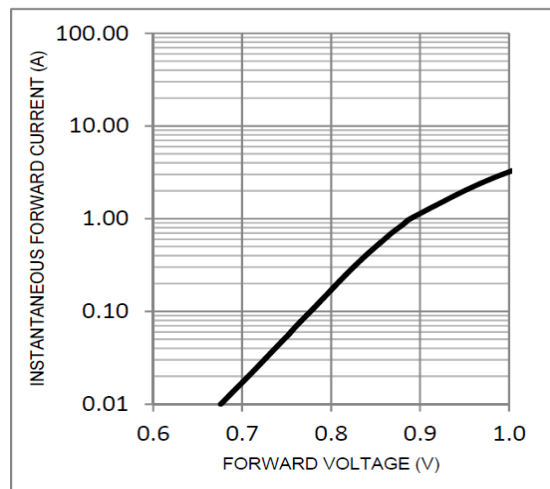
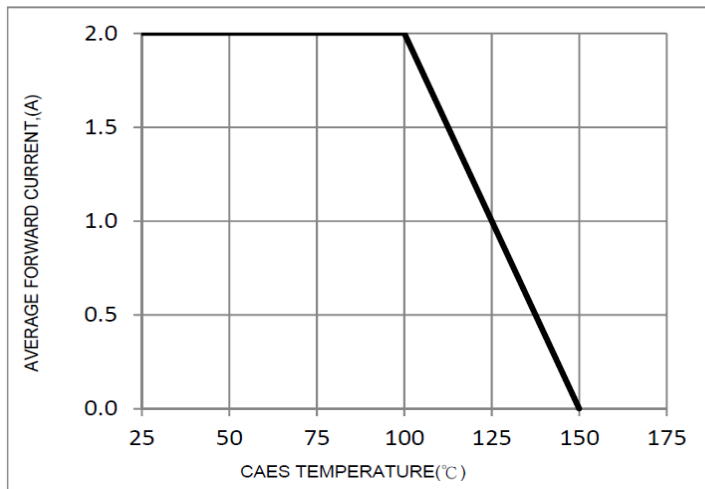


FIG. 3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

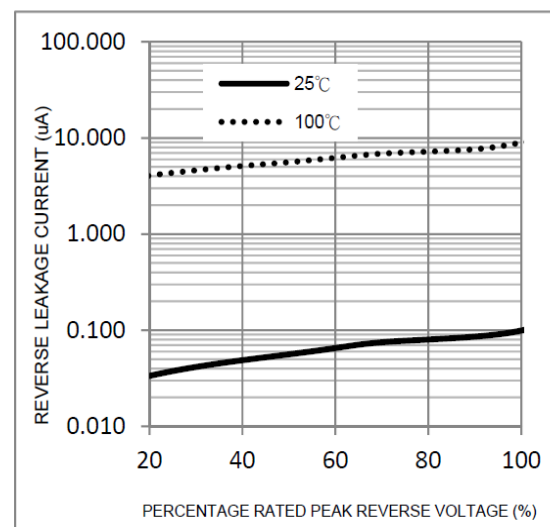
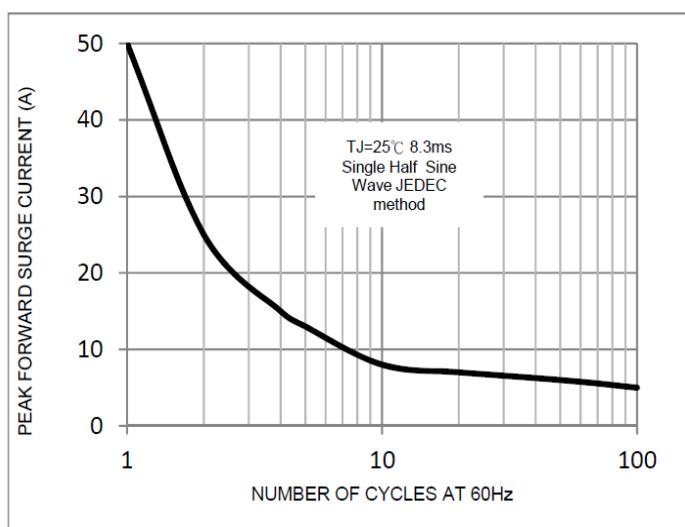


FIG. 5-TYPICAL JUNCTION CAPACITANCE

