

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

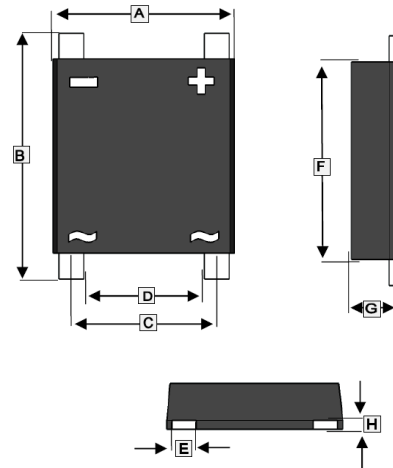
MECHANICAL DATA

- Polarity: Symbol molded on body
- Mounting position :Any

PACKAGE INFORMATION

Package	MPQ	Leader Size
EBS	5K	13 inch

EBS



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	4.9	5.1	E	0.6	0.7
B	6.0	6.4	F	5.3	5.5
C	3.9	4.1	G	1.15	1.27
D	3.2	3.5	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
		EBS 101	EBS 102	EBS 103	EBS 104	EBS 105	EBS 106	EBS 107	
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	1							A
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I_{FSM}	30							A
Maximum Forward Voltage @ 1A	V_F	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	$T_J=25^\circ\text{C}$	5							μA
	$T_J=100^\circ\text{C}$	200							
Typical Thermal Resistance ¹	$R_{\theta JC}$	75							$^\circ\text{C} / \text{W}$
Operating and Storage temperature range	T_J, T_{STG}	-55~150							$^\circ\text{C}$

Note:

1. Thermal resistance junction to case

RATINGS AND CHARACTERISTIC CURVES

FIG. 1-TYPICAL FORWARD CURRENT DERATING CURVE

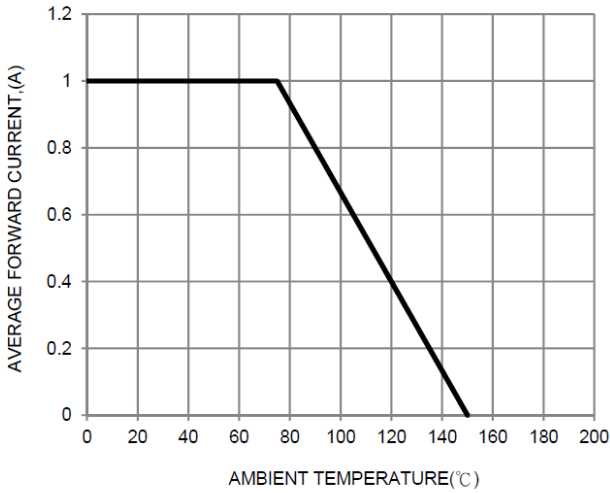


FIG. 2-TYPICAL FORWARD CHARACTERISTICS

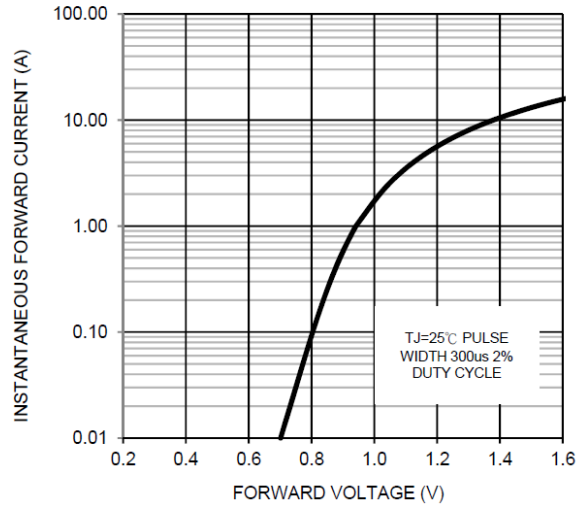


FIG. 3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

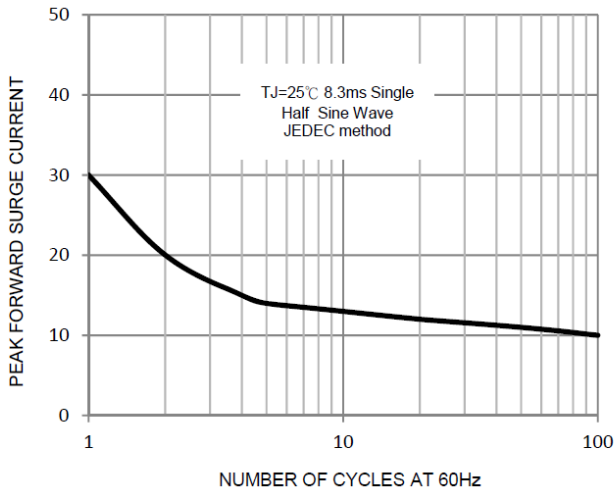


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

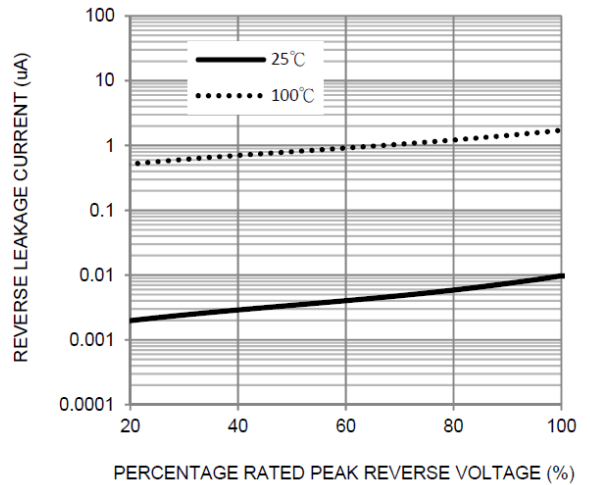


FIG. 5-TYPICAL JUNCTION CAPACITANCE

