

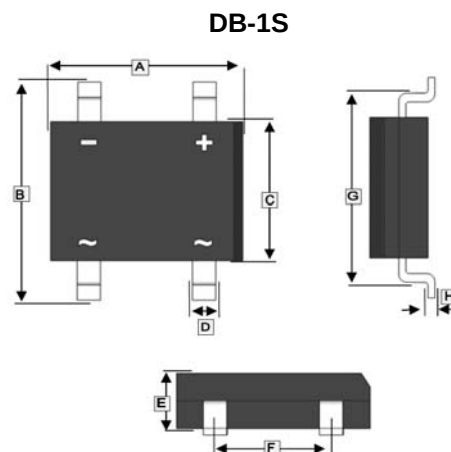
RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Low forward voltage drop, high current capability
- Rating to 1000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive products
- Lead tin Pb / Sn copper
- The plastic material has UL flammability classification 94V-0

MECHANICAL DATA

- Polarity: As marked on Body
- Weight: 0.02 ounces, 0.38 grams
- Mounting position: Any



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	8.10	8.80	E	3.05	3.40
B	9.80	10.3	F	5.00	5.20
C	6.20	6.50	G	7.60	8.50
D	0.95	1.20	H	0.20	0.35

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, de-rate current by 20%.)

PARAMETERS		SYMBOL	DB 201S	DB 202S	DB 203S	DB 204S	DB 205S	DB 206S	DB 207S	UNIT
Peak Repetitive Peak Reverse Voltage		V _{RRM}	50	100	200	400	600	800	1000	V
Working Peak Reverse Voltage		V _{RMS}	35	70	140	280	420	560	700	
DC Blocking Voltage		V _{DC}	50	100	200	400	600	800	1000	
Maximum Average Forward Rectified Current @T _A =40℃		I _(AV)	2.0							A
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)		I _{FSM}	60							A
Maximum Forward Voltage at 1.5 A DC		V _F	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage	T _J =25℃	I _R	10							uA
	T _J =125℃		500							
I ² t Rating for Fusing (t<8.3ms)		I ² t	10.4							A ² s
Typical Junction Capacitance Per Element (Note1)		C _J	25							pF
Typical Thermal Resistance (Note2)		R _{θJA}	40							℃/W
Operating and Storage temperature range		T _J , T _{STG}	-55 ~ 150							℃

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0 V DC

2. Thermal resistance from junction to ambient mounted on P.C.B. with 0.5*0.5"(13*13mm) copper pads.

RATINGS AND CHARACTERISTIC CURVES

