

VOLTAGE RANGE: 50 -1000V
CURRENT: 1.0 A

Features

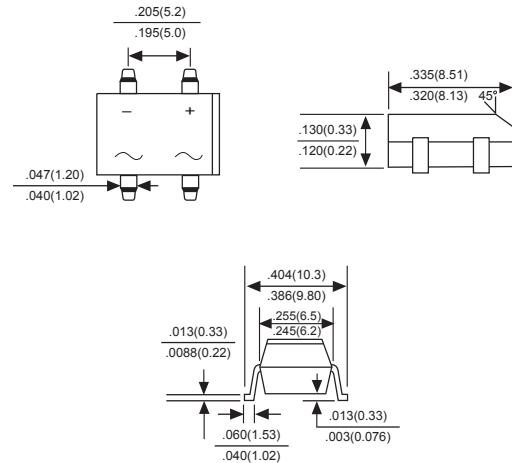
- Ideal for Printed Circuit Board
- Reliable low cost construction utilizing molded plastic technique
- High surge current capability
- Plastic Package - UL Flammability Classification 94V-0

Mechanical Data

- Case: Molded plastic body
- Terminals: Plated leads solderable per MIL-STD-750, Method 2026
- Polarity : Polarity symbols marked on case
- Mounting Position: Any
- Weight: 0.02 ounce, 0.4 grams



DBS



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics T_A = 25°C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	DB 101S	DB 102S	DB 103S	DB 104S	DB 105S	DB 106S	DB 107S	Unit
Maximum repetitive peak reverse voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS 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 current at T _A =40*	I _{F(AV)}	1.0							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	50							A
Maximum instantaneous forward voltage drop per bridge element at 1.0A	V _F	1.1							V
Maximum DC reverse current at rated DC blocking voltage	I _R	10 500							μA μA
Operating temperature range	T _J	-55 to +150							°C
storage temperature range	T _{STG}	-55 to +150							°C

NOTES: DBS for surface mount package.

RATINGS AND CHARACTERISTIC CURVES DB101S THRU DB107S

