

Voltage Range - 50 to 1000 Volts Current - 1.0 Ampere

FEATURES

- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High temperature soldering guaranteed: 250° / 10 seconds / 0.375"(9.5mm)
lead length at 5 lbs., (2.3kg)tension
- Small size, simple installation Leads solderable per MIL-STD-202, Method 208
- High surge current capability

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

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25° ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, For capacitive load derate current by 20%.

MDD Catalog Number	SYMBOLS	DB101S	DB102S	DB103S	DB104S	DB105S	DB106S	DB107S	UNITS
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	VOLTS
Maximum average forward rectified current at $T_A=40^\circ$	$I_{F(AV)}$	1.0							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	50							Amps
Maximum instantaneous forward voltage drop per bridge element at 1.0A	V_F	1.1							Volts
Maximum DC reverse current $T_A=25^\circ$ at rated DC blocking voltage $T_A=125^\circ$	I_R	10 500							μA μA
Operating temperature range	T_J	-55 to +150							$^\circ C$
storage temperature range	T_{STG}	-55 to +150							$^\circ C$

NOTES: DBS for surface mount package.

RATINGS AND CHARACTERISTIC CURVES DB101S THRU DB107S



