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DB101S THRU DB107S

Single Phase 1.0 AMPS. Glass Passivated Bridge Rectifiers

Voltage Range 50 to 1000 Volts Current 1.0 Amperes

DBS

FEATURES

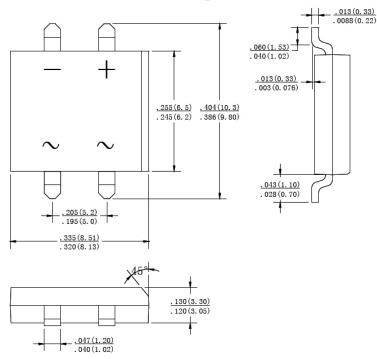
- ◆Ideal for printed circuit board
- ◆Reliable low cost construction technique results in inexpensive product
- ◆High temperature soldering guaranteed: 260°C / 10 seconds / 0.375" (9.5mm) lead length at 5 lbs., (2.3 kg) tension
- ◆UL Recognized File number: E347214

MECHANICAL DATA

◆Case: Molded plastic

◆Lead: solder plated

◆Polarity: As marked



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

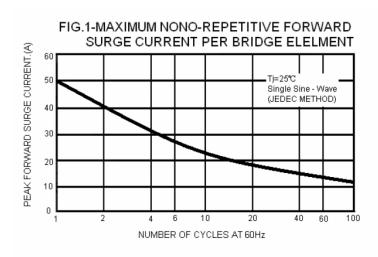
Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%

	SYMBOLS	DB	DB	DB	DB	DB	DB	DB	UNITS
		101S	102S	103S	104S	105S	106S	107S	
Maximum Repetitive Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current	Lavo	1.0							А
at T _A =40℃	I(AV)								
Peak Forward Surge Current,	Iгsм 50								
8.3ms Single Half Sine-wave Superimposed on							Α		
Rated Load (JEDEC method)									
Maximum Instantaneous Forward Voltage at 1.0A	VF	1.1							V
Maximum DC Reverse Current @ T _A =25°C	l _R	10 500							μΑ
rated DC blocking voltage per leg T _A =125℃	IR								
Typical Thermal Resistance (Note)	RөJA	40 15							°C/W
	Rejl								
Operating Temperature Range	TJ	-55 to +150						$^{\circ}\!\mathbb{C}$	
Storage Temperature Range	Тѕтс	-55 to +150							$^{\circ}$ C

Note: Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted on P.C.B.with 0.47×0.47" (12×12mm) Copper Pads.

DB101S THRU DB107S

RATING AND CHARACTERISTIC CURVES DB101S THRU DB107S



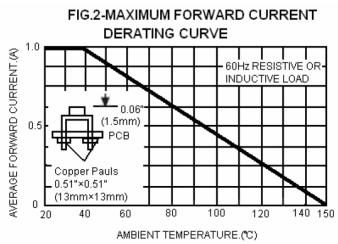


FIG.3-TYPICAL INSTANTANEOUS FORWARD
CHARACTERISTICS PER BRIDGE ELEMENT

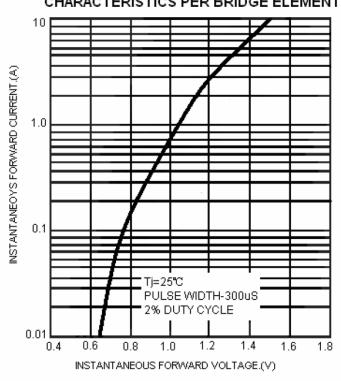
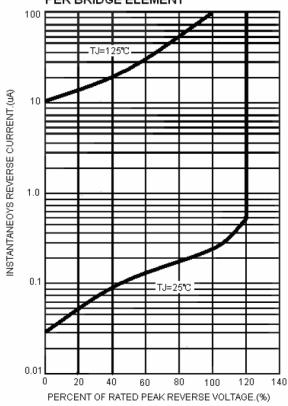


FIG.4-TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT



Note: Specifications are subject to change without notice.