



## FEATURES

- \* Ideal for printed circuit board
- \* Reliable low cost construction utilizing molded plastic technique
- \* High surge current capability
- \* Polarity: marked on body
- \* Mounting position: Any
- \* Weight: 1.0 grams

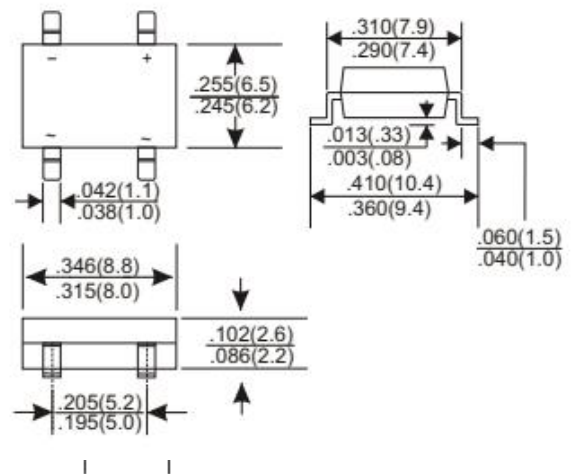
## VOLTAGE RANGE

50 to 1000 Volts

## CURRENT

3.0 Ampere

DB-S



## AIURATINGSANDEETRIABARATERISTIS

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

TYPE NUMBER	DB301S	DB302S	DB303S	DB304S	DB305S	DB306S	DB307S	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current . 375"(9.5mm) Lead Length at Ta=25 C	3.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	60							A
Maximum Forward Voltage Drop per Bridge Element at 3.0A.	1.1							VA
Maximum DC Reverse Current Ta=25 C	5							A
at Rated DC Blocking Voltage Ta=125 C	500							C
Operating Temperature Range, Tj	-65 — +150 +							C
Storage Temperature Range, Tstg	65 —150							

RATING AND CHARACTERISTIC CURVES (DB301S THRU DB307S)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

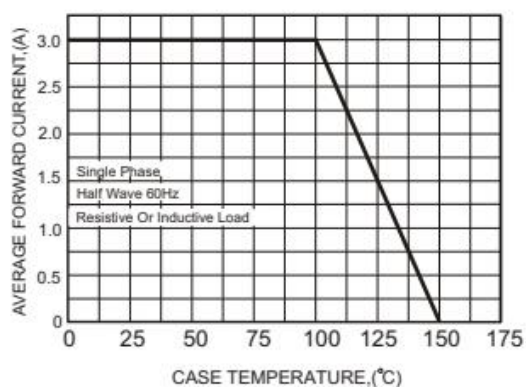


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

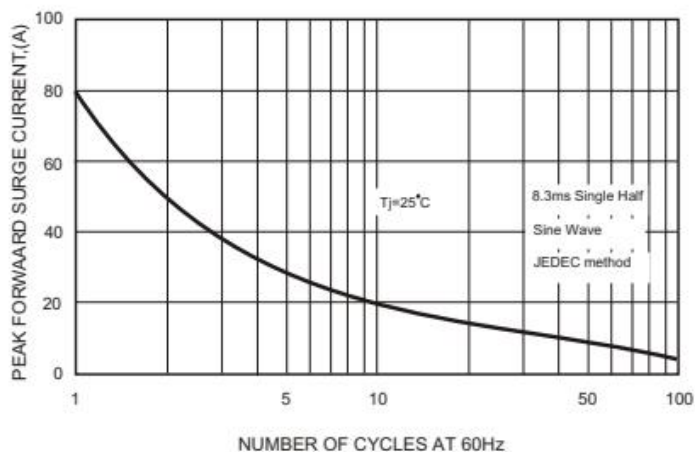


FIG.3-TYPICAL FORWARD CHARACTERISTICS

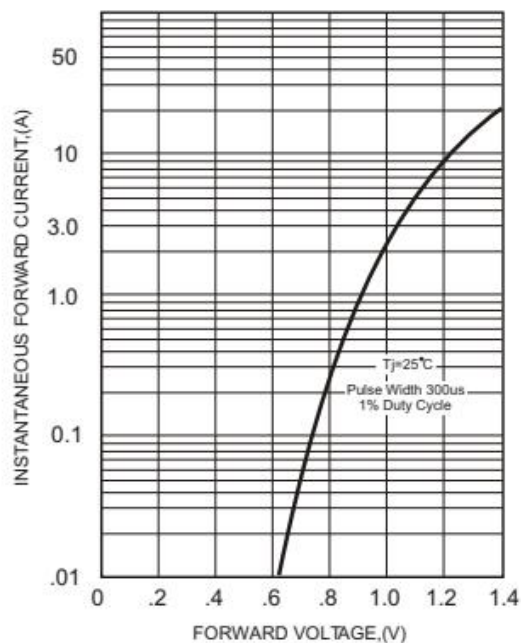


FIG.4-TYPICAL REVERSE CHARACTERISTICS

