



DB151(S)~DB157(S)

**SINGLE PHASE 1.5AMPS.
GLASS PASSIVATED BRIDGE
RECTIFIERS**

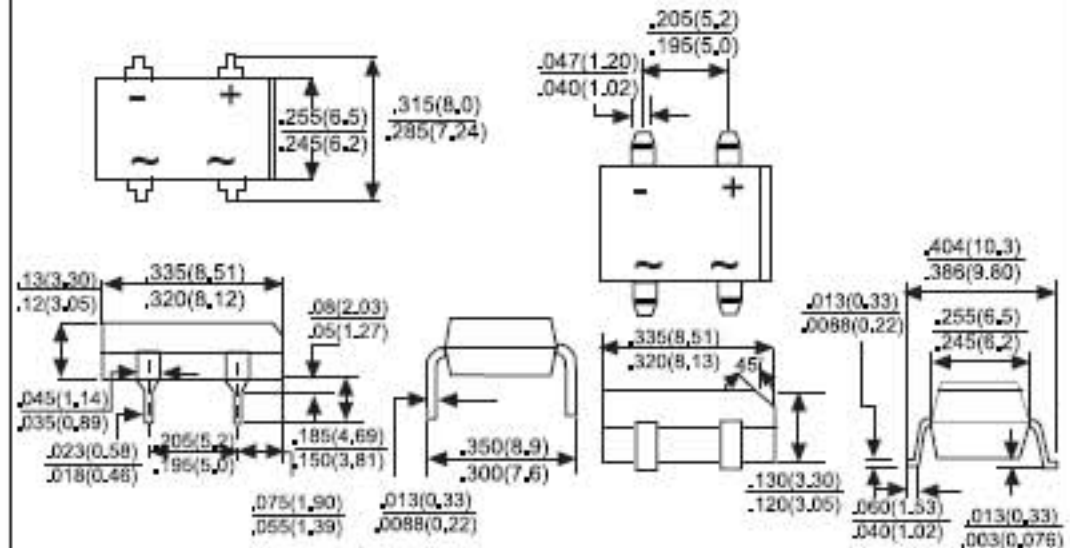
**Voltage Range
50 to 1000 Volts
Current
1.5Ampere**

FEATURES

- UL Recognized File # E-230084
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High surge current capability
- High temperature soldering guaranteed: 250°C/10 seconds at 5 lbs., (2.3kg) tension
- Small size, simple installation
- Leads solderable per MIL-STD-202, Method 208

DB

DBS



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%

Type Number		DB151	DB152	DB153	DB154	DB155	DB156	DB157	UNITS
		DB 151S	DB 152S	DB 153S	DB 154S	DB 155S	DB 156S	DB 157S	
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 @TA = 40°C	IF(AV)	1.5							A
Peak Forward Surge Current 8.3 ms Single Half Sine-wave Superimposed on Rated load (JEDEC method)	IFSM	50							A
Maximum Instantaneous Forward Voltage Drop Per Leg @ 1.5A	VF	1.1							V
Maximum DC Reverse Current at Rated DC Blocking Voltage @ TA = 25°C @ TA = 125°C	IR	5 100							uA uA
Operating Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	TSTG	-55 to +150							°C

RATING AND CHARACTERISTIC CURVES DB151(S) THRU DB157(S)



FIG.1 - MAXIMUM DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

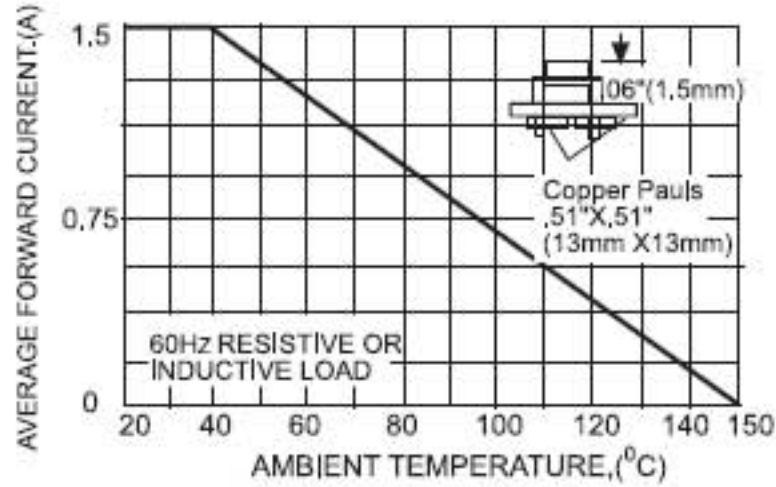


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER BRIDGE ELEMENT

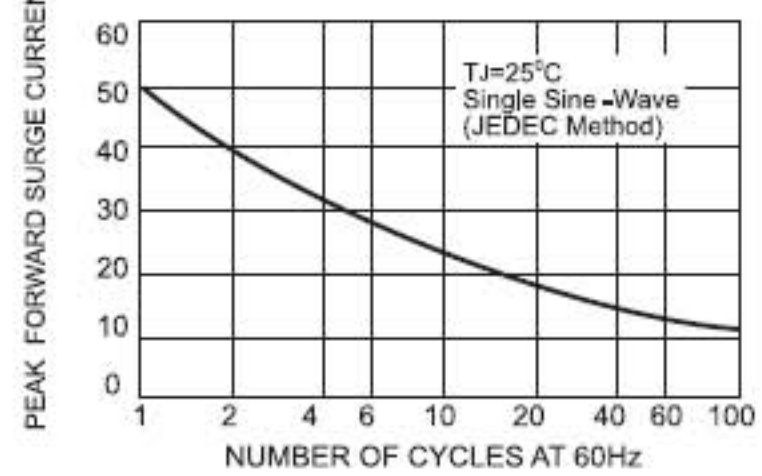


FIG.3-TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

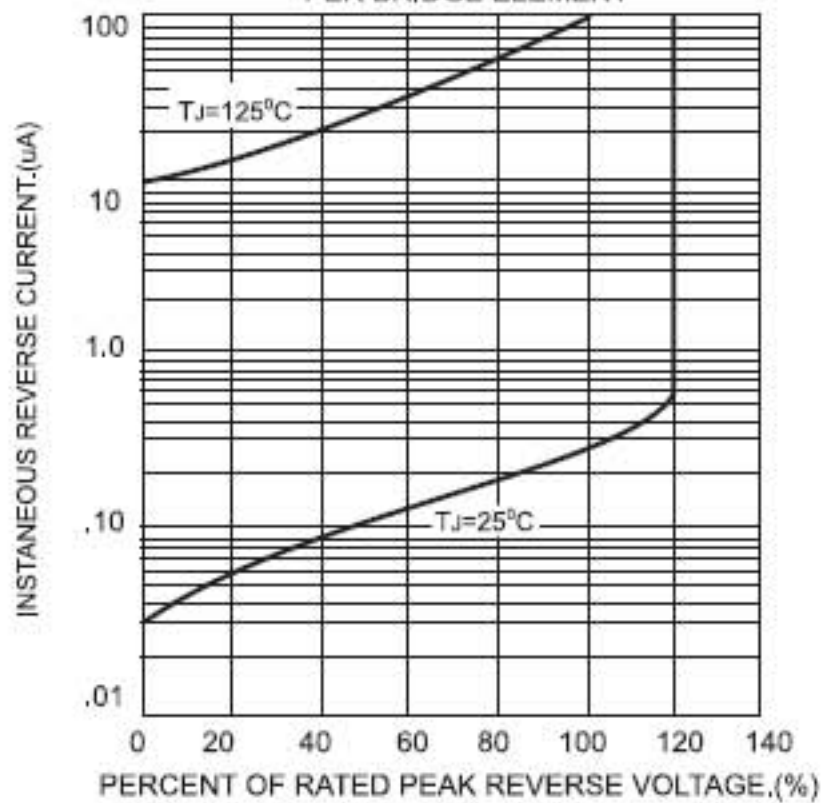


FIG.4-TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

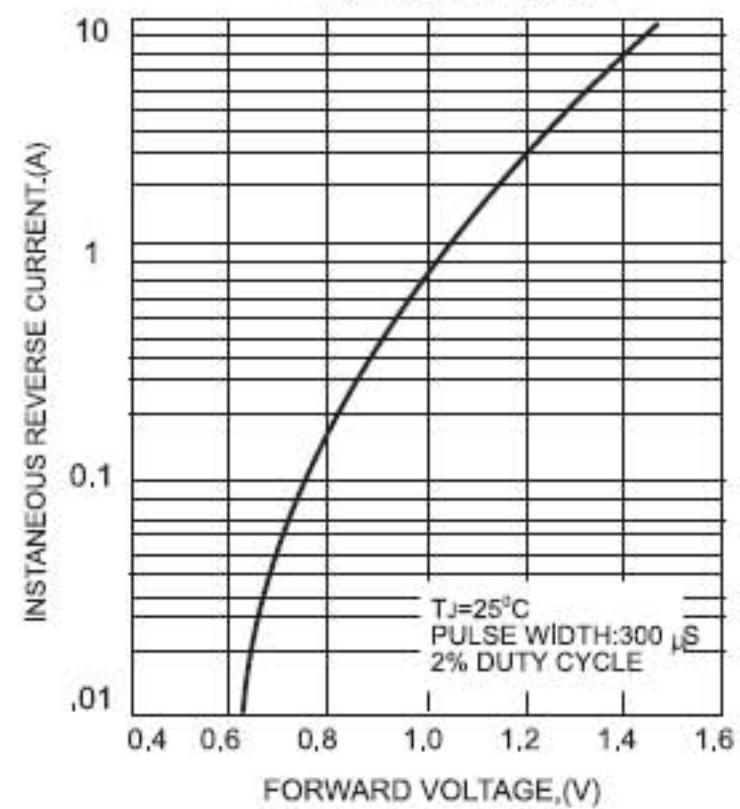


FIG.5-TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT

