DB151(S)~DB157(S)

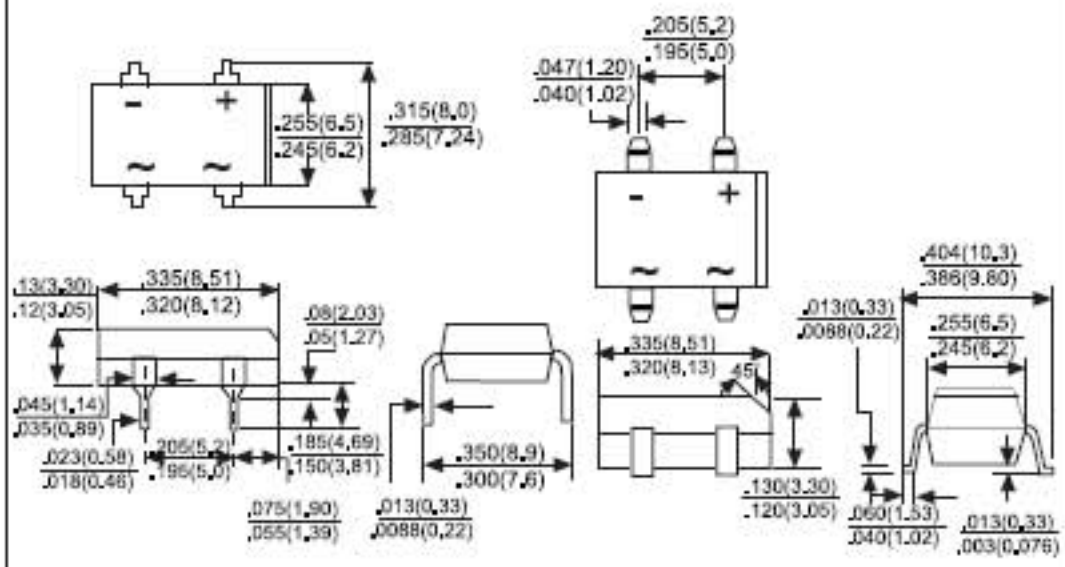
SINGLE PHASE 1.5AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS

Voltage Range
50 to 1000 Volts
Current
1.5Ampere

DB DBS

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



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 DB 151S	DB152 DB 152S	DB153 DB 153S	DB154 DB 154S	DB155 DB 155S	DB156 DB 156S	DB157 DB 157S	UNITS
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 @T_A = 40°C	$I_{F(AV)}$	1.5							A
Peak Forward Surge Current 8.3 ms Single Half Sine-wave Superimposed on Rated load (JEDEC method)	I_{FSM}	50							A
Maximum Instantaneous Forward Voltage Drop Per Leg @ 1.5A	V_F	1.1							V
Maximun DC Reverse Current @ T_A = 25°C at Rated DC Blocking Voltage @ T_A = 125°C	I_R	5 100							uA uA
Operating Temperature Range	T_J	-55 to+150							°C
Storage Temperature Range	T_{STG}	-55 to+150							°C

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

FIG.1 - MAXIMUN DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

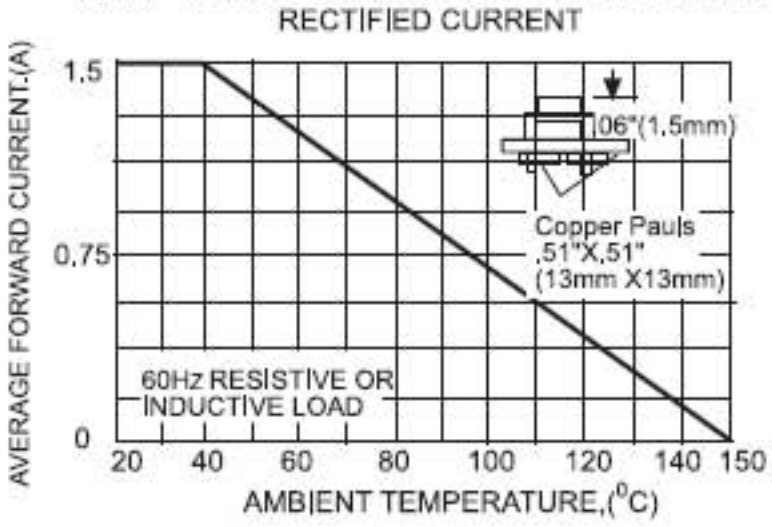


FIG.2 - MAXIMUN NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER BRIDGE ELEMENT

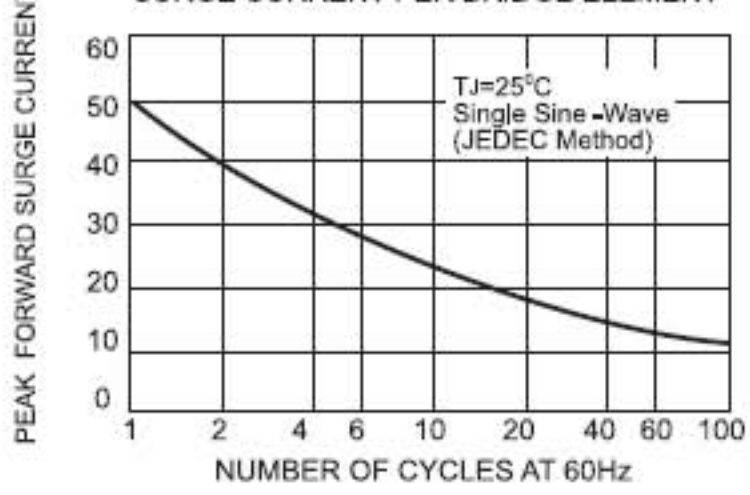


FIG.3-TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

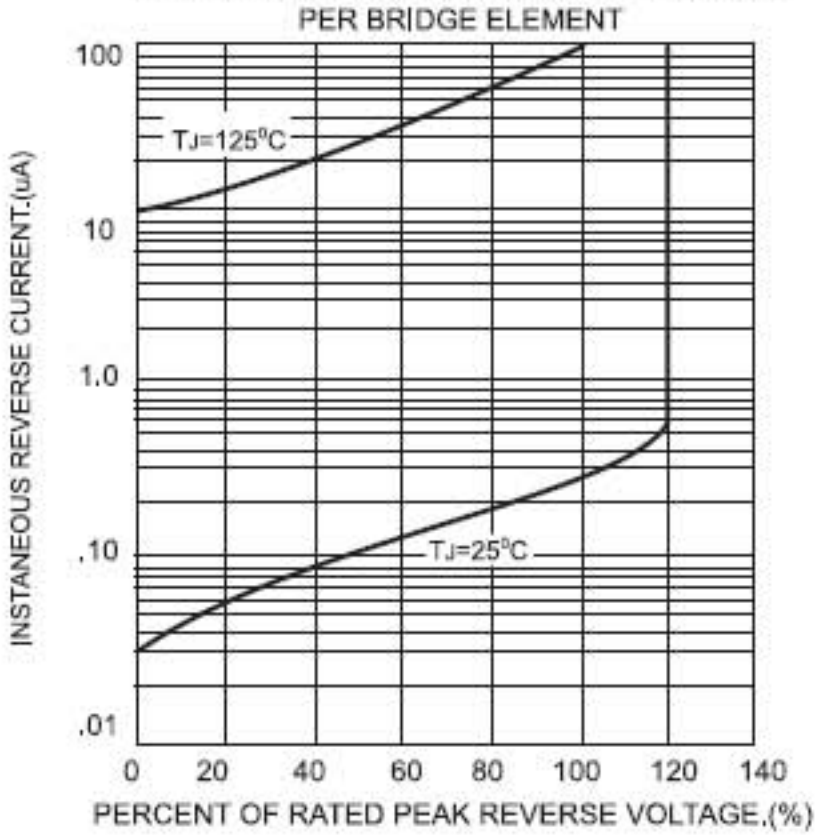


FIG.4-TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

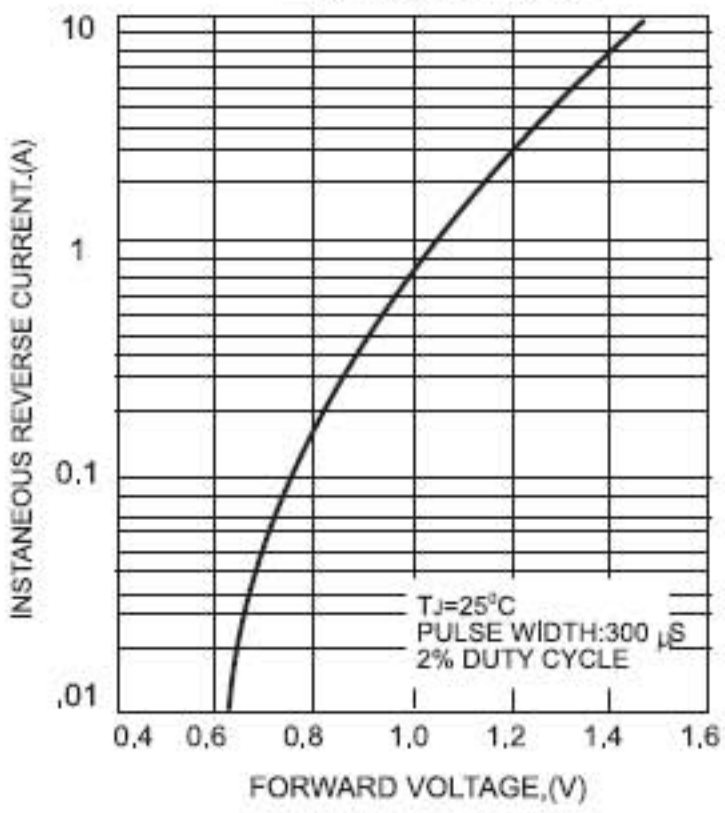


FIG.5-TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT

