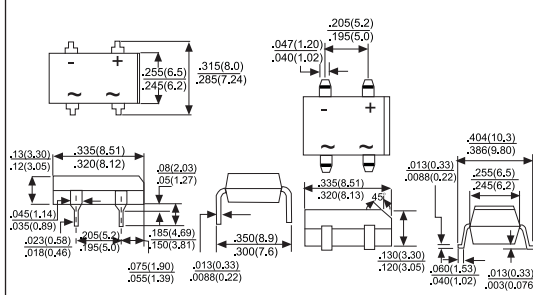


DB151(S)~DB157(S)

<p>SINGLE PHASE 1.5AMPS. GLASS PASSIVATED BRIDGE RECTIFIERS</p>	<p>Voltage Range 50 to 1000 Volts Current 1.5Ampere</p>
<p>FEATURES</p> <ul style="list-style-type: none"> • 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 	<div style="display: flex; justify-content: space-around;"> <u>DB</u> <u>DBS</u> </div>  <p style="text-align: center;">Dimensions in inches and (millimeters)</p>

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	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
Maximum DC Reverse Current at Rated DC Blocking Voltage @ T _A = 25°C @ T _A = 125°C	I _R	10 500							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 - MAXIMUM DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

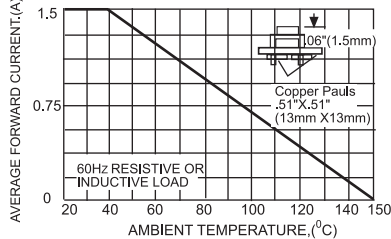


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PER BRIDGE ELEMENT

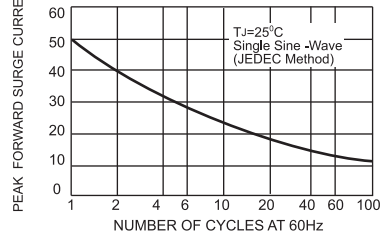


FIG.3-TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

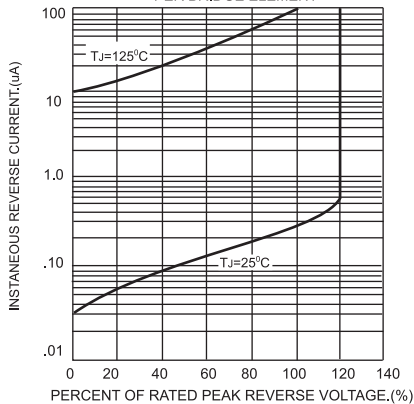


FIG.4-TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT

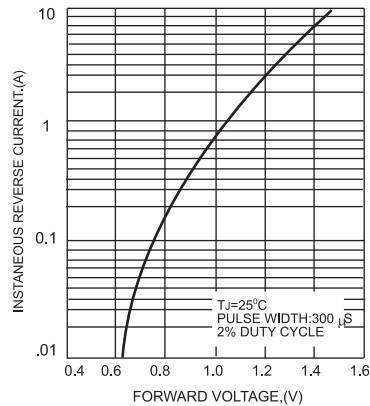


FIG.5-TYPICAL JUNCTION CAPACITANCE PER BRIDGE ELEMENT

