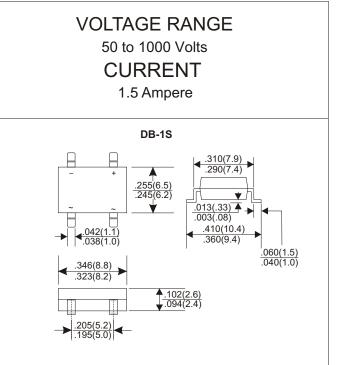
DB151GS THRU DB157GS

SINGLE PHASE 1.5 AMP SURFACE MOUNT BRIDGE RECTIFIERS



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
- * Both normal and Pb free product are available:
- * Normal:80~95%Sn,5~20%Pb
- * Pb free:99 Sn above can meet Rohs enviroment substance directive request



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	DB151GS	DB152GS	DB153GS	DB154GS	DB155GS	DB156GS	DB157GS	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=40 ℃		1.5						
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)		75						
Maximum Forward Voltage Drop per Bridge Element at 1.5A D.C		1.1						V
Maximum DC Reverse Current Ta=25°C		5						Α
at Rated DC Blocking Voltage Ta=125°C		500						
Operating Temperature Range, Tj		-65—+150						°C
Storage Temperature Range, TSTG		-65-+150						Ĵ



RATING AND CHARACTERISTIC CURVES (DB151GS THRU DB157GS)

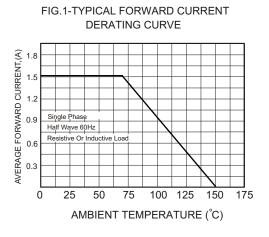


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

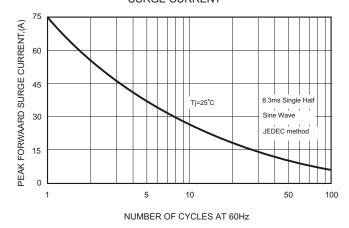


FIG.3-TYPICAL FORWARD CHARACTERISTICS 50 INSTANTANEOUS FORWARD CURRENT,(A) 10 3.0 1.0 Tj=25℃ Pulse Width 300us 1% Duty Cycle 0.1 .01 0 .2 1.2 .4 .6 .8 1.0 1.4 FORWARD VOLTAGE,(V)

