

DB151S thru DB157S

1.5A SILICON BRIDGE RECTIFIER`
REVERSE VOLTAGE - 50 to 1000 Volts

Features

- Rating to 1000V PRV
- Ideal for printed circuit board
- Low forward voltage drop,high current capability
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- The plastic material has UL flammability classification 94V-0
- RoHS compliant package

Mechanical Data

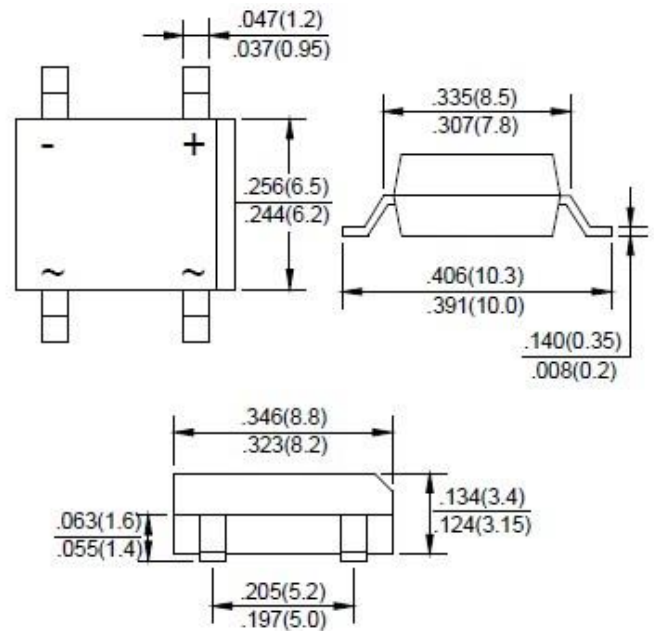
- Polarity:As marked on body
- Weight:0.02 ounces,0.38 grams
- Mounting position:Any

Packing & Order Information

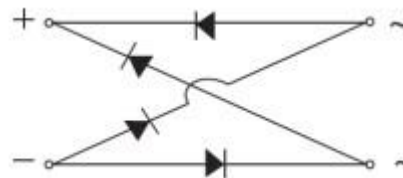
5,000/Reel



**RoHS
COMPLIANT**



Graphic symbol



MAXIMUM RATINGS AND THERMAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified, Single phase, half wave, 60Hz, Resistive or Inductive load, For Capacitive load, derate current by 20%.

CHARACTERISTICS		DB151S	DB152S	DB153S	DB154S	DB155S	DB156S	DB157S	UNITS
Maximum repetitive peak reverse voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V _{RWS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V _{DC}	50	100	200	400	600	800	100	V
Maximum average forward rectified current at T _A =40°C	I _{F(AV)}	1.5							A
Peak forward surge current 8.3ms single half-sine-wave Super Imposed on Rated Load (JEDEC Method)	I _{FSM}	50							A

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Maximum Forward Voltage at 1.5A DC	V_F				1.1				V
Maximum DC Reverse Current @T _J =25°C at Rated DC Bolcking Voltage @T _J =125°C	I_R				10 500				V
I ² t Rating for Fusing (t<8.3ms)	I ² t				10.4				μA
Typical Junctio Capacitance Per Element (Note1)	C _j				25				pF
Typical Thermal Resistance (Note2)	R _{θJA}				40				°C/W
Operating Temperature Range	T _J				-55 to +150				°C
Storage Temperature Range	T _{STG}				-55 to +150				°C

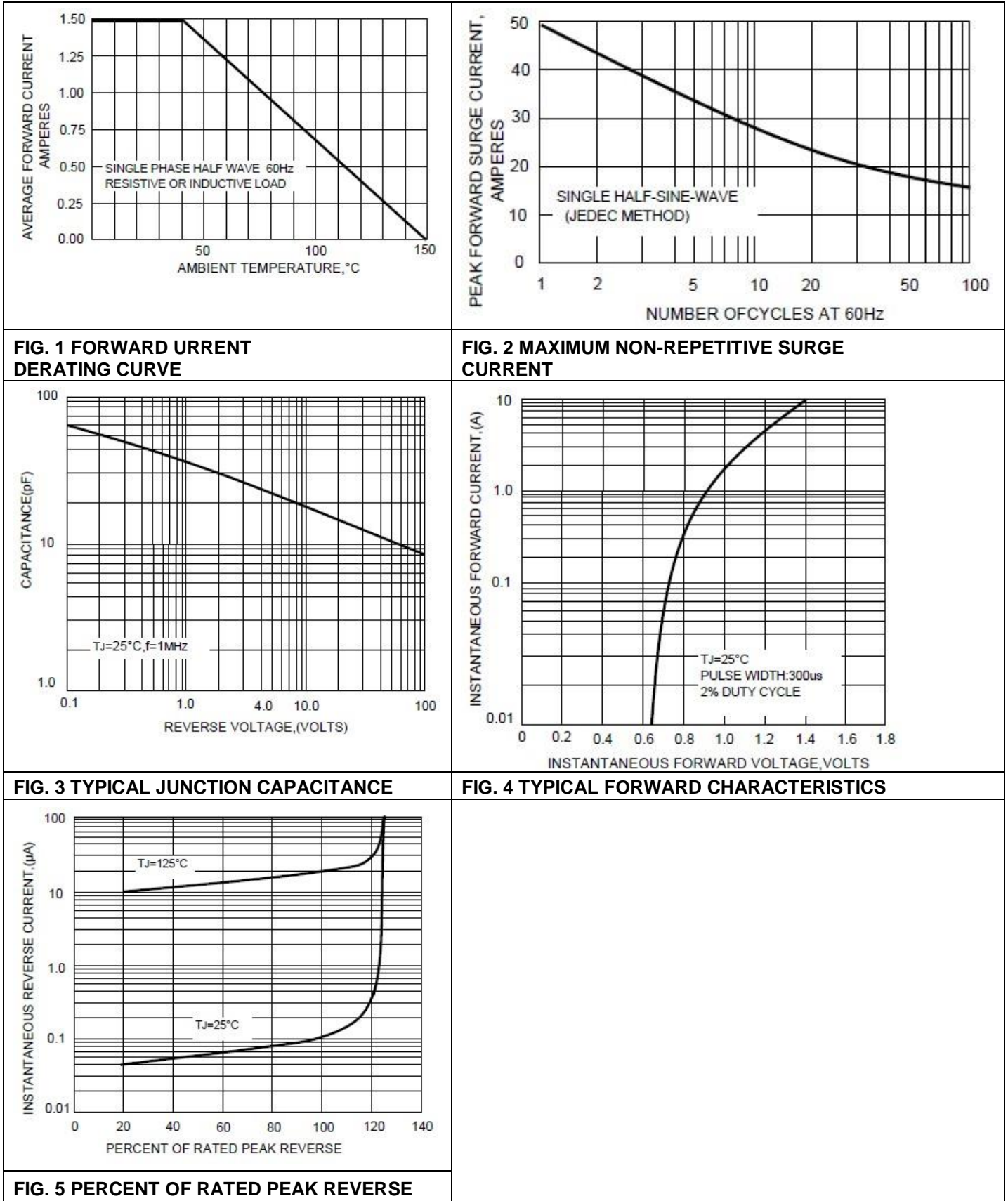
Note:

- 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC
- 2.Thermal resistance from junction to ambient mounted on P.C.B with 0.5*0.5"(13*13mm) copper pads.
- 3.The typical data above is for reference only

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■ RATING AND CHARACTERISTIC CURVES DB151S thru DB157S



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