VI. Bridge Rectifier

1.5A Glass Passivated Bridge Rectifier DB151G~DB157G

(Package: DB)

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 Underwriters Laboratory Flammability Classification 94V-0

MECHANICAL DATA

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

Ratings & Electrical Characteristics

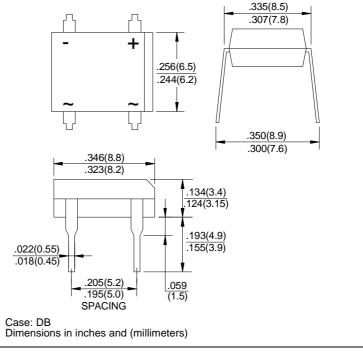
Ratings at 25 ambient temperature unless otherwise specified.

Characteristic	Symbol	DB 151G	DB 152G	DB 153G	DB 154G	DB 155G	DB 156G	DB 157G	Units
Maximum recurrent peak reverse voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current @ Ta = 40	lo	1.5						Amps	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	50						Amps	
Maximum forward voltage at 1.5A DC	VF	1.1						Volts	
Maximum DC reverse current @ Tj=25 at rated DC blocking voltage @ Tj=125	I _R	10 500						μΑ	
I ² t Rating for Fusing (t < 8.3ms)	l ² t	10.4						A ² s	
Typical junction capacitance per element (Note 1)	Cj	25						PF	
Typical thermal resistance (Note 2)	Rth-JA	40						/ W	
Operating temperature range	Tj	-55 to +150							
Storage temperature range	Tstg	-55 to +150							

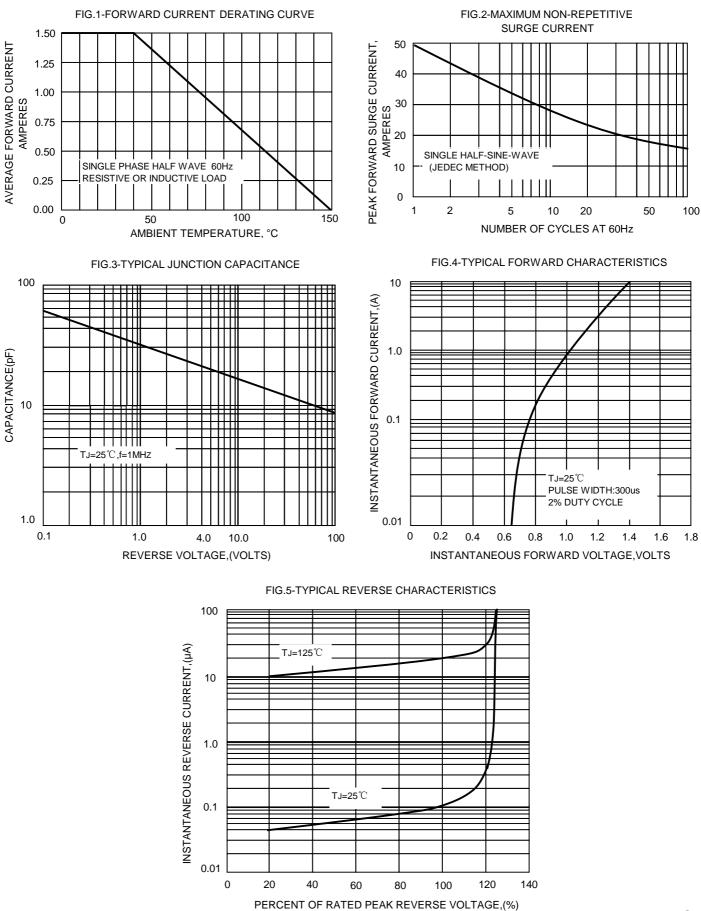
Note:

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



Ratings and Characteristic Curves of DB151G~DB157G



²