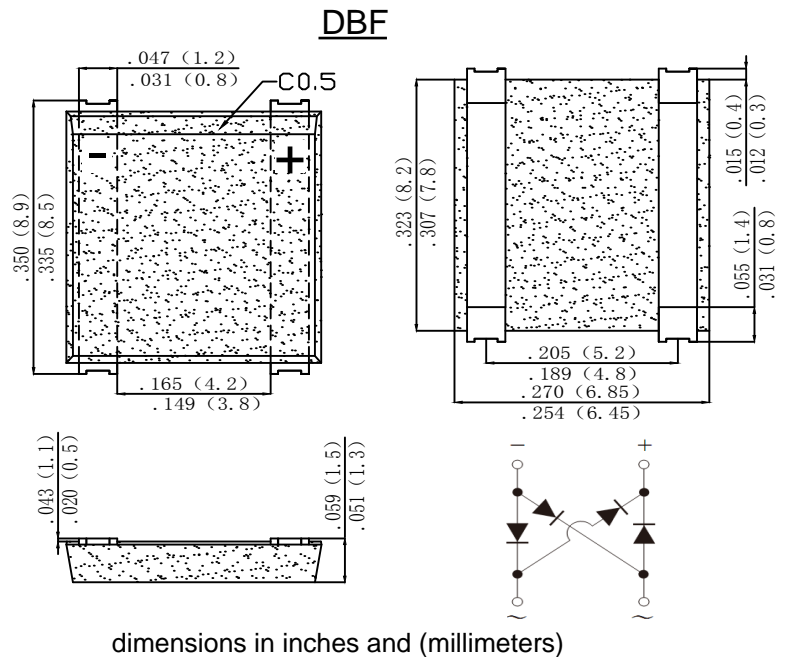


Features

- Glass Passivated Die Construction
- Low leakage
- Ideal for printed circuit board
- Surge overload rating-60A peak
- Designed for Surface Mount Application
- Plastic Material-UL Flammability 94V-0

Mechanical Data

- Case: DBF, molded plastic
- Terminals:Plated Leads Solderable per MIL-STD-202,Method208
- Polarity:As Marked on Case
- Mounting Position:Any
- Marking:Type Number

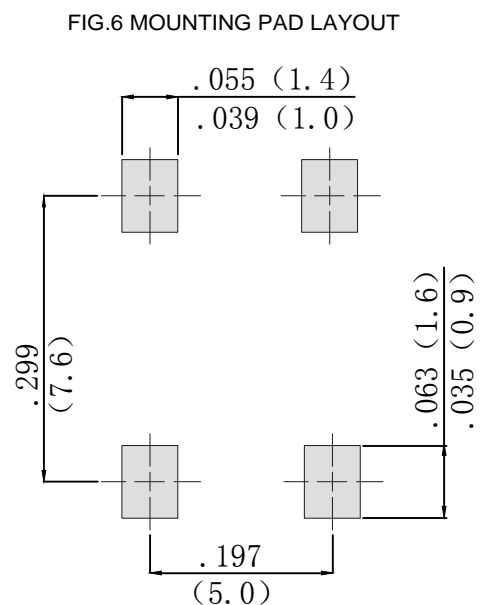
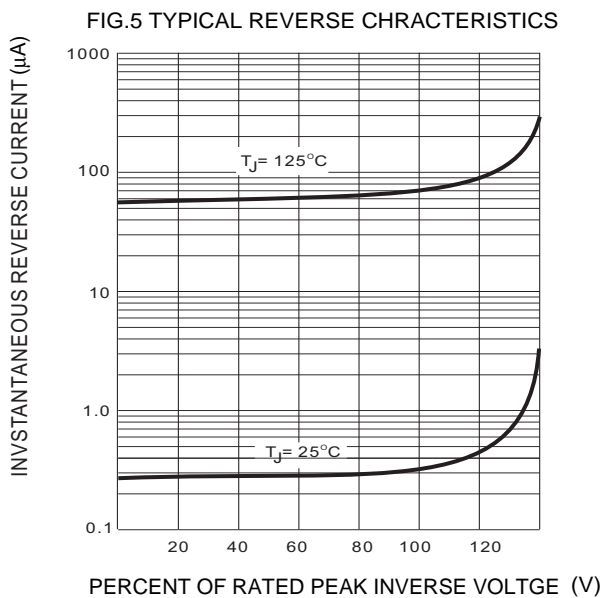
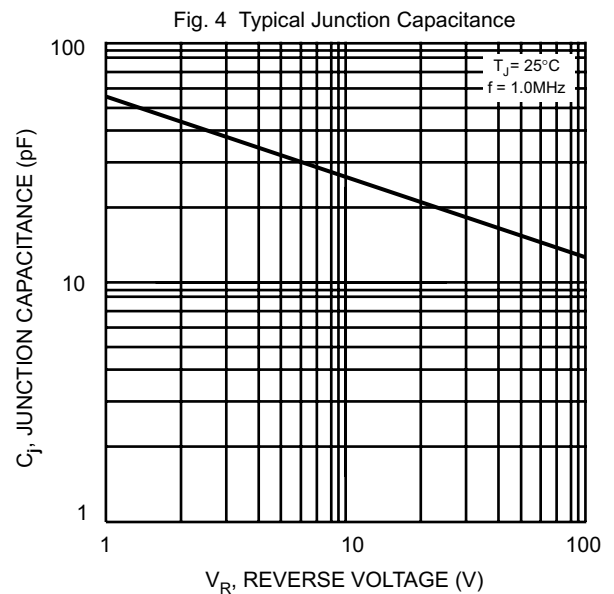
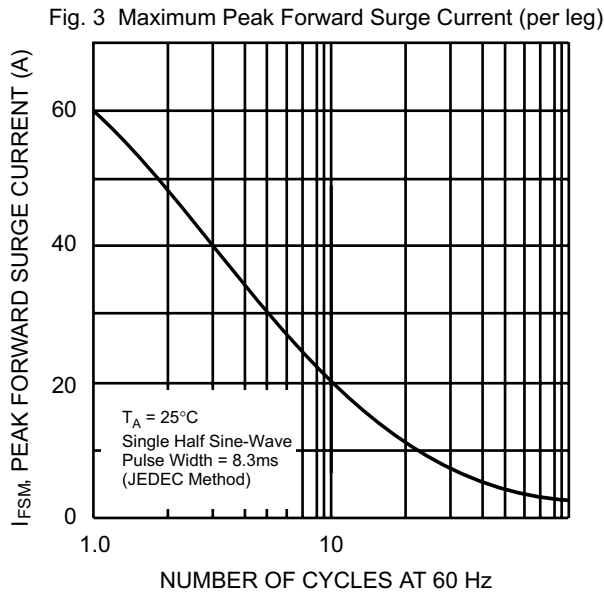
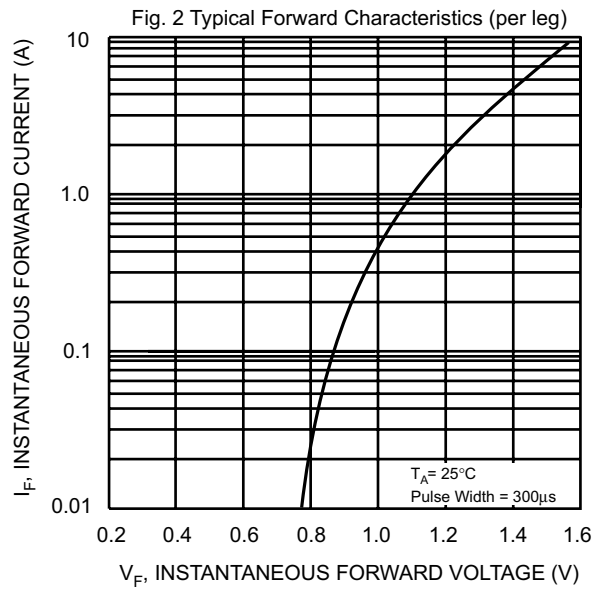
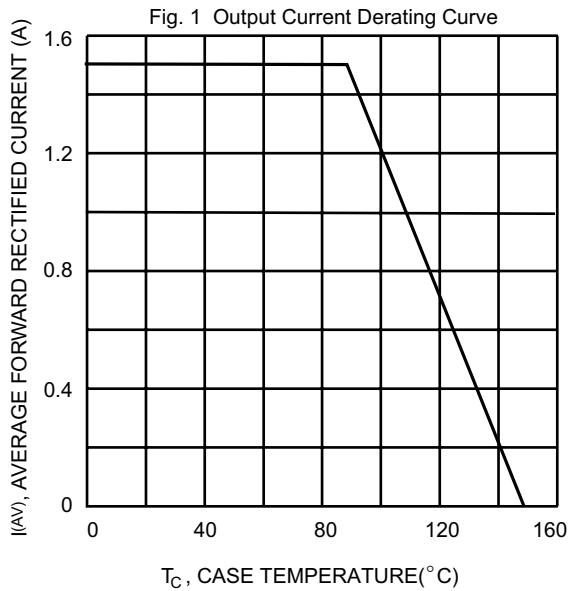


Maximum Ratings and Electrical Characteristics

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	SYMBOL	RDBF151	RDBF152	RDBF154	RDBF156	RDBF158	RDBF1510	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}							
Working Peak Reverse Voltage	V_{RWM}	100	200	400	600	800	1000	V
DC Blocking Voltage	V_{DC}							
RMS Reverse Voltage	V_{RMS}	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1)@T _c =90°C	IF(AV)	1.5						A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	60						A
I ² t Rating for Fusing (t < 8.3ms)	I ² t	14.94						A ² s
Forward Voltage per element @IF=1.5A	V _{FM}	1.3						V
Maximum reverse recovery time (Note 2)	T _{RR}	150		250		500		ns
Peak Reverse Current @T _A =25°C At Rated DC Blocking Voltage @T _A =125°C	I _R	5.0 200						uA
Typical Junction Capacitance per leg (Note 3)	C _J	35						pF
Typical Thermal Resistance per leg	R _{θJA}	70						°C/W
	R _{θJC}	15						
Operating and Storage Temperature Range	T _J ,T _{STG}	-55to+150						°C

Note:1. Mounted on glass epoxy PC board with 1.3mm solder pad.
 2. Reverse Recovery Test Conditions: I_F=0.5A, I_R=1.0A, I_{RR}=0.25A.
 3.Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.



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