
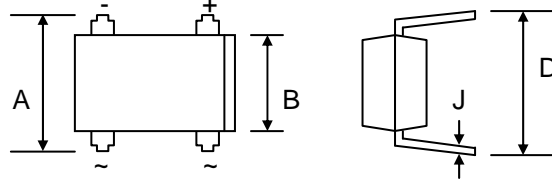


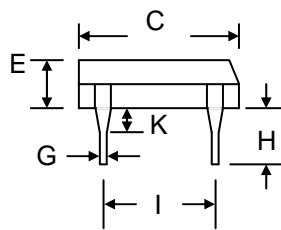
Features

- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Surge Current Capability
- Designed for Surface Mount Application
- Ideal for Printed Circuit Boards
-  Recognized File # E157705



Mechanical Data

- Case: DIL, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Case
- Weight: 0.38 grams (approx.)
- Mounting Position: Any
- Marking: Type Number
- **Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 4**



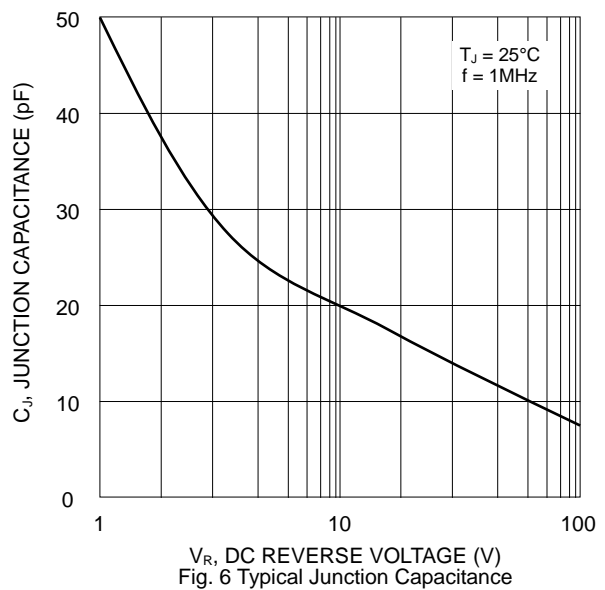
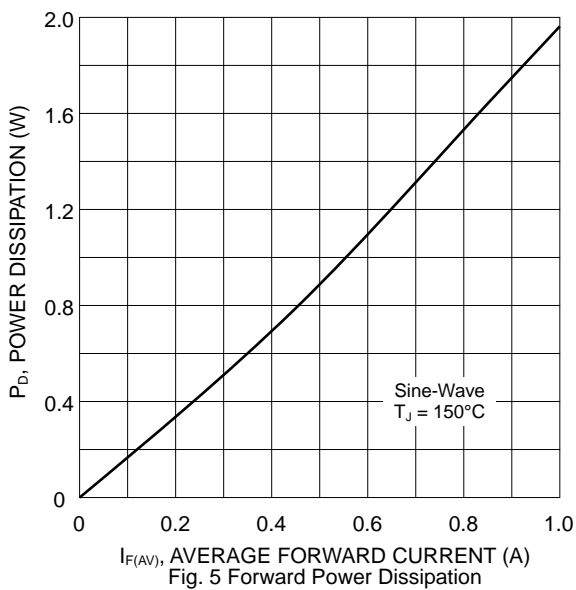
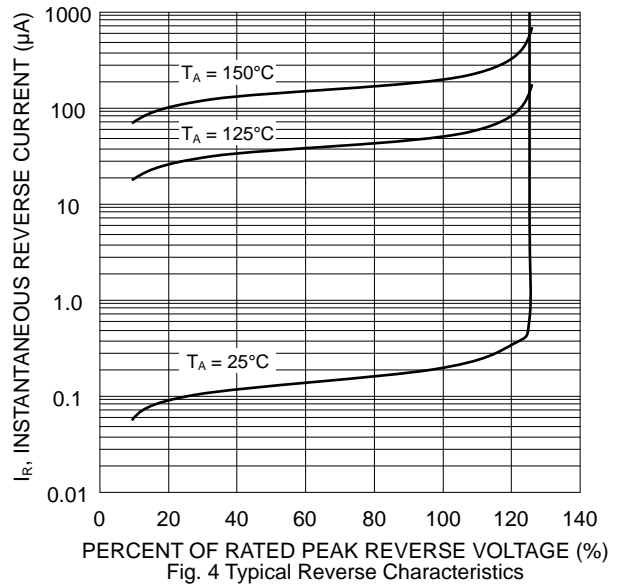
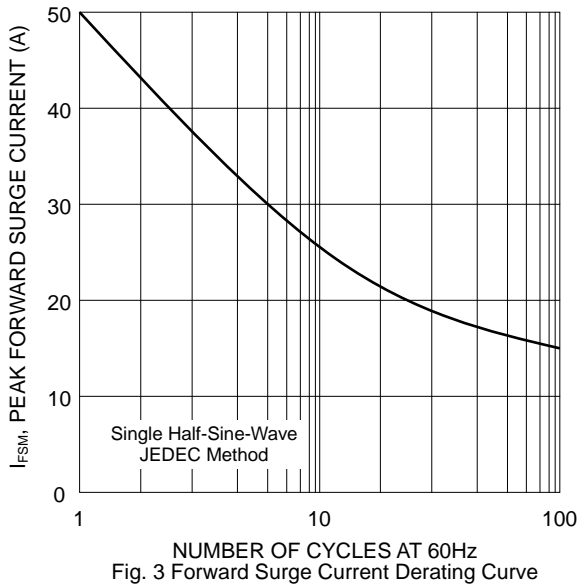
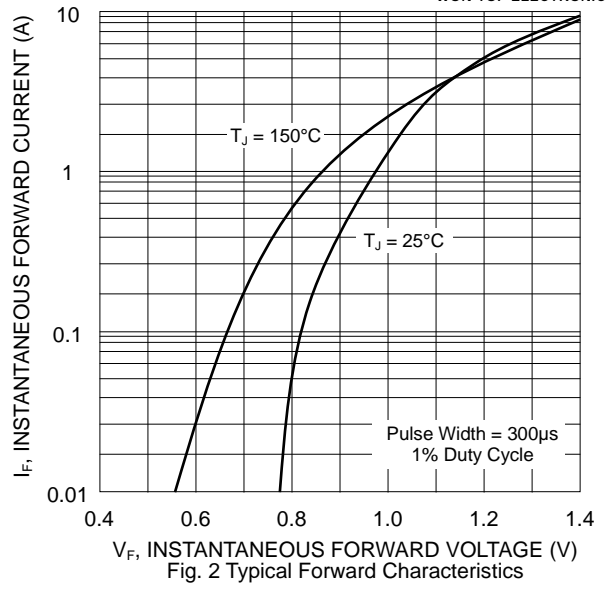
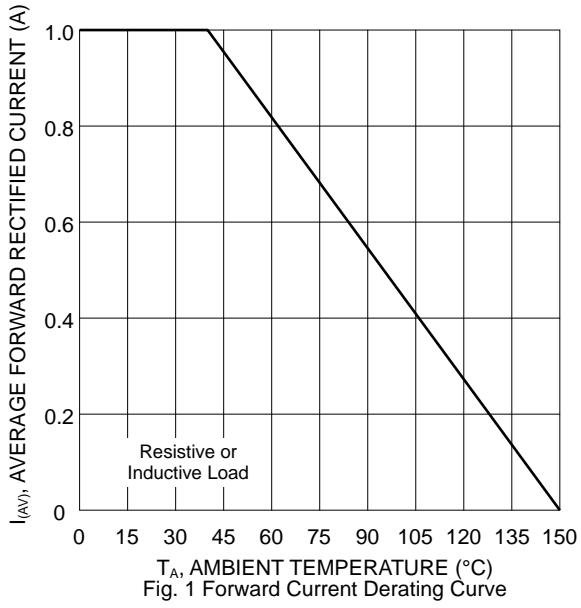
DIL		
Dim	Min	Max
A	7.24	8.00
B	6.10	6.50
C	8.12	8.80
D	7.60	8.90
E	2.20	2.60
G	0.45	0.55
H	3.80	4.90
I	5.00	5.20
J	0.22	0.33
K	1.27	2.03
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

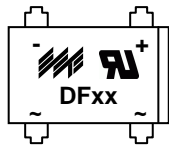
Single Phase, half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

Characteristic	Symbol	DF005	DF01	DF02	DF04	DF06	DF08	DF10	Unit
Peak Repetitive Reverse Voltage	V _{RRM}								
Working Peak Reverse Voltage	V _{RWM}	50	100	200	400	600	800	1000	V
DC Blocking Voltage	V _R								
RMS Reverse Voltage	V _{R(RMS)}	35	70	140	280	420	560	700	V
Average Rectified Output Current @T _A = 40°C	I _O	1.0							A
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	50							A
Forward Voltage per element @I _F = 1.0A	V _{FM}	1.1							V
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 125°C	I _{RM}	5.0 500							μA
I ² t Rating for Fusing (t < 8.3ms)	I ² t	10							A ² s
Typical Junction Capacitance per leg (Note 1)	C _J	25							pF
Typical Thermal Resistance per leg (Note 2)	R _{JA} R _{JL}	40 15							°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150							°C

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.
2. Mounted on PC board with 13 x 13mm copper pad.



MARKING INFORMATION



DFxx = Device Number
 xx = 005, 01, 02, 04, 06, 08, 10
 Polarity = As Marked on Body

PACKAGING INFORMATION

BULK

Tube Size L x W x H (mm)	Quantity (PCS)	Inner Box Size L x W x H (mm)	Quantity (PCS)	Carton Size L x W x H (mm)	Quantity (PCS)	Approx. Gross Weight (KG)
420 x 12 x 10	50	470 x 145 x 75	2,500	495 x 245 x 180	7,500	6.0

Note: 1. Anti-static tube, water clear color.

ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
DF005	DIL Bridge	50 Units/Tube
DF01	DIL Bridge	50 Units/Tube
DF02	DIL Bridge	50 Units/Tube
DF04	DIL Bridge	50 Units/Tube
DF06	DIL Bridge	50 Units/Tube
DF08	DIL Bridge	50 Units/Tube
DF10	DIL Bridge	50 Units/Tube

1. Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
2. **To order RoHS / Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, DF005-LF.**

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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