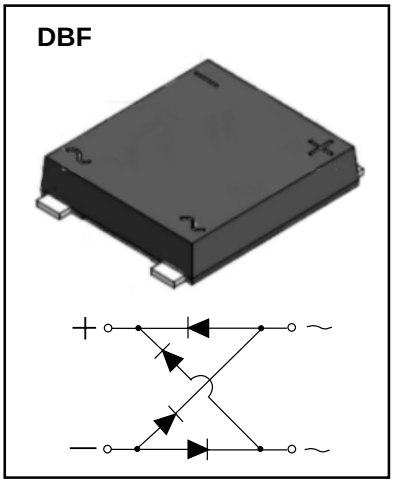
DBF Plastic-Encapsulate Bridge Rectifier

Features

- I_O 2A
- VRRM 50V-1000V
- High surge current capability
- Glass passivated chip
- Polarity: Color band denotes cathode



Applications

- General purpose 1 phase Bridge rectifier applications

Marking

- DBF20XX

  XX：From 05 To 10

Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	DBF20						
				005	01	02	04	06	08	10
Repetitive Peak Reverse Voltage	V_{RRM}	V		50	100	200	400	600	800	1000
Average Rectified Output Current	I_O	A	60Hz sine wave, R-load, Tc=110℃	2.0						
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz sine wave, 1 cycle, T_j=25℃	75						
Current Squared Time	I^2t	A^2S	1ms≤t<8.3ms Tj=25℃，Rating of per diode	23						
Storage Temperature	T_{stg}	℃		-55 ~+150						
Junction Temperature	T_j	℃		-55 ~+150						

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Electrical Characteristics（T_a=25℃ Unless otherwise specified）

Item	Symbol	Unit	Test Condition		Max
Peak Forward Voltage	V_{FM}	V	I_{FM}=1.0A, Pulse measurement, Rating of per diode		1.02
Peak Reverse Current	I_{RRM}	μA	$V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode	Tj=25℃	5
				Tj=125℃	100
Thermal Resistance	$R_{\theta J-A}$	℃/W	Between junction and ambient		55
	$R_{\theta J-L}$		Between junction and lead		15
	$R_{\theta J-C}$		Between junction and case		10

Typical Characteristics

FIG1:Io-Tc Curve

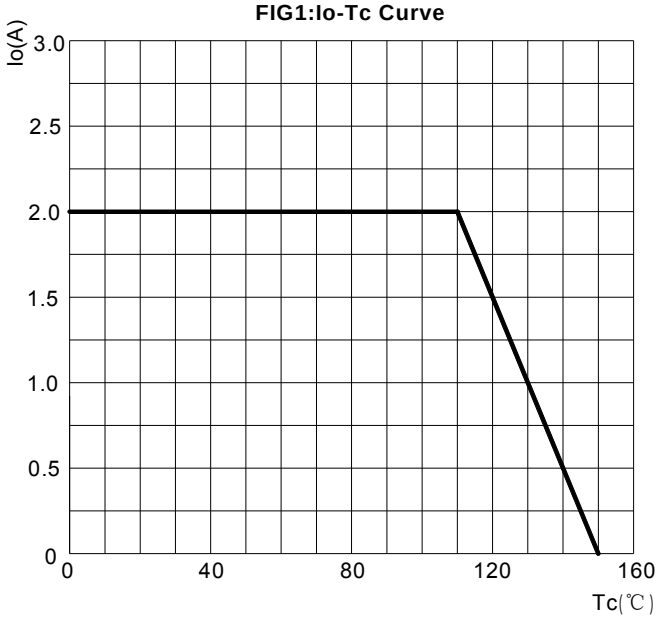


FIG2:Surge Forward Current Capadility

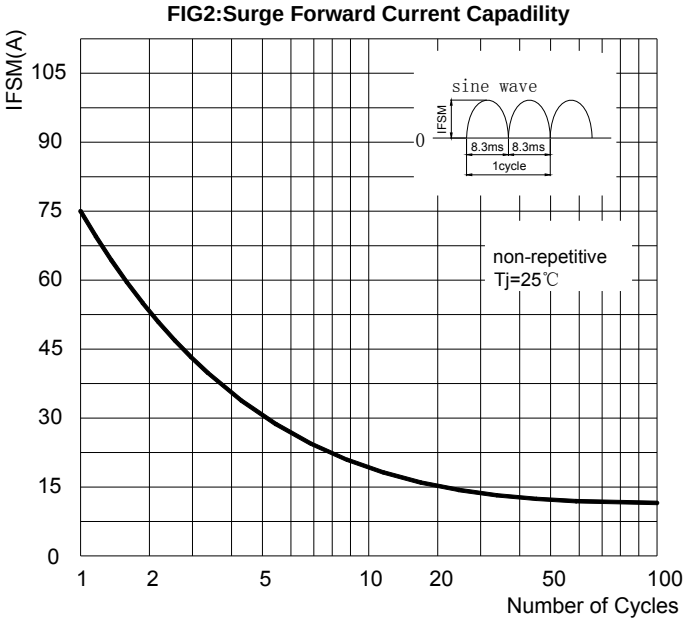


FIG3: Forward Voltage

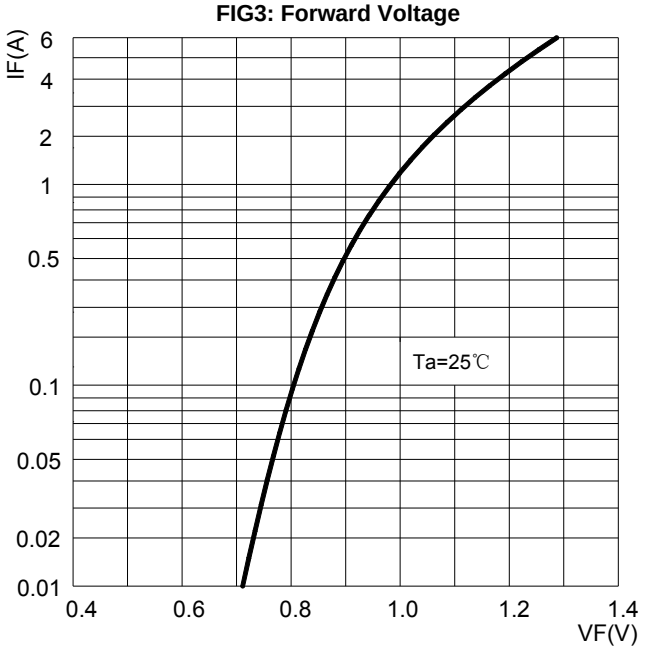
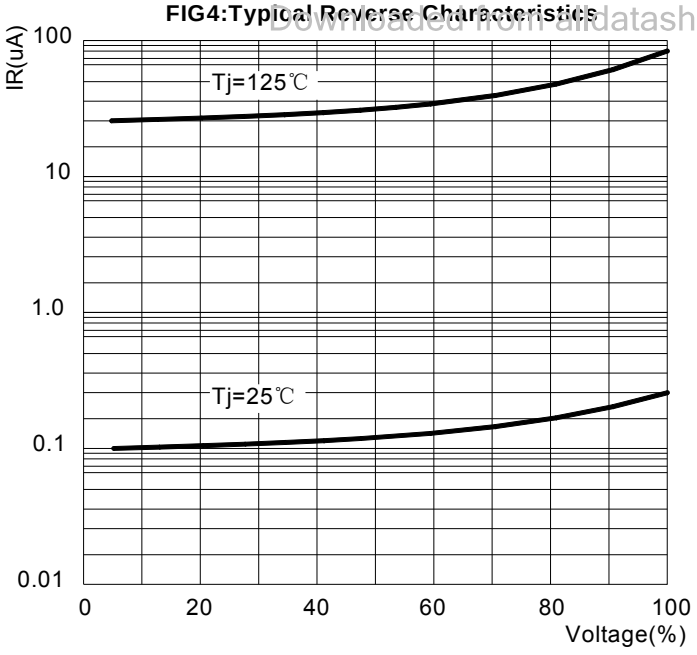
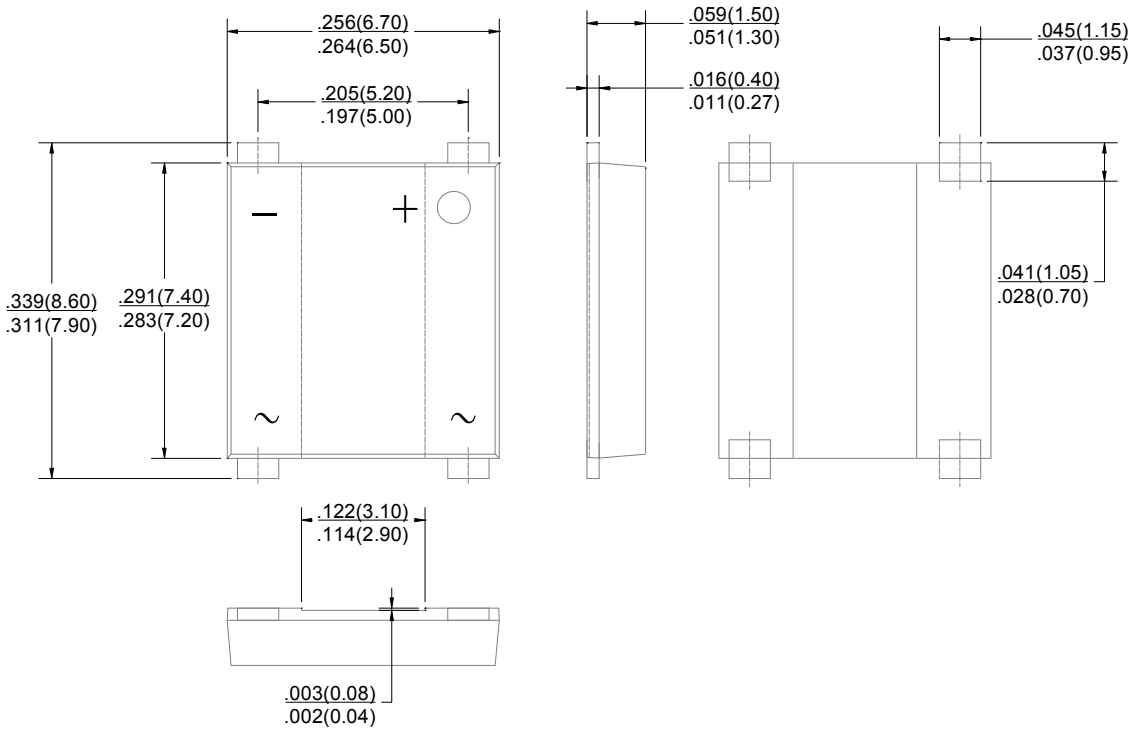


FIG4:Typical Reverse Characteristics

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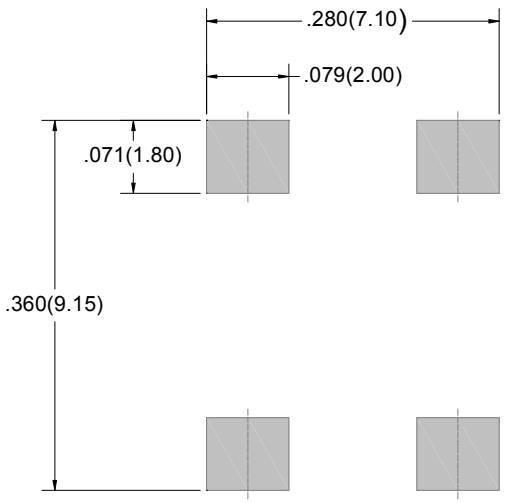
DBF Package Outline Dimensions



Dimensions in inches and (millimeters)

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DBF Suggested Pad Layout



Note:
1.Controlling dimension:in millimeters.
2.General tolerance:± 0.05mm.
3.The pad layout is for reference purposes only.

NOTICE

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