

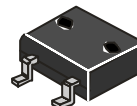
DF-S Plastic-Encapsulate Bridge Rectifier

General Purpose Bridge Rectifier

Features

- $I_{F(AV)}$ 1.5A
- V_{RRM} 50V-1000V
- High surge current capability
- Glass passivated chip

DF- S



Applications

- General purpose 1 phase Bridge rectifier applications

Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	DF15						
				005S	01S	02S	04S	06S	08S	10S
Repetitive Peak Reverse Voltage	V _{RRM}	V		50	100	200	400	600	800	1000
Maximum RMS Voltage	V _{RMS}	V		35	70	140	280	420	560	700
Average Rectified Output Current	I _O	A	60Hz sine wave, R-load, Ta=50℃	1.5						
Surge(Non-repetitive)Forward Current	I _{FSM}	A	60Hz half sine wave, 1 cycle, T _J =25℃	75						

Electrical Characteristics ($T_a=25^{\circ}\text{C}$ Unless otherwise specified)

Item	Symbol	Unit	Test Condition	Max
Peak Forward Voltage	V_{FM}	V	$I_{FM}=1.5\text{A}$, Pulse measurement, Rating of per diode	1.0
Peak Reverse Current	I_{RRM}	μA	$V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode	5
Operating Temperature Range	T_c	$^{\circ}\text{C}$		-55 — +150
Storage Temperature Range	T_{STG}			-55 — +150

Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

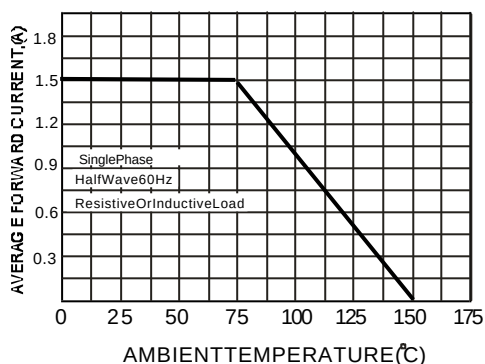


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

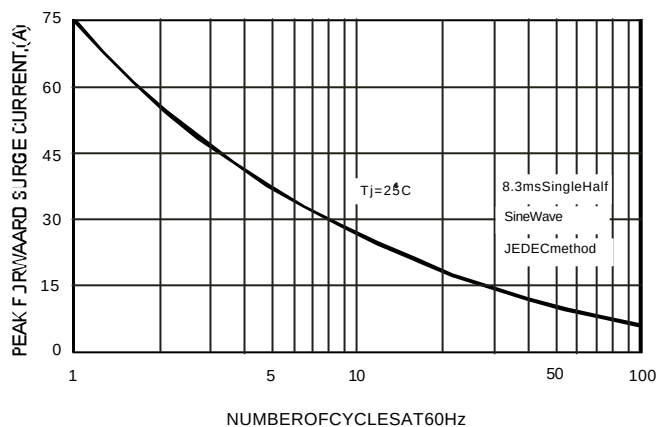


FIG.3-TYPICAL FORWARD CHARACTERISTICS

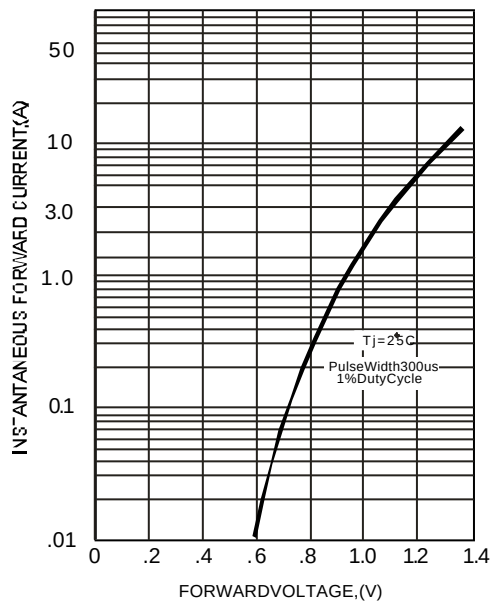
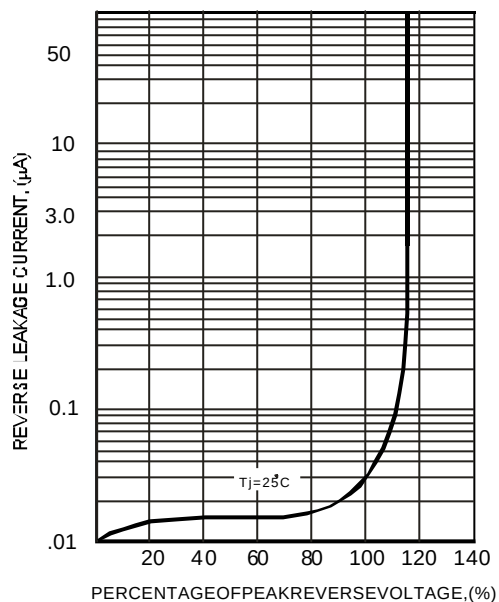
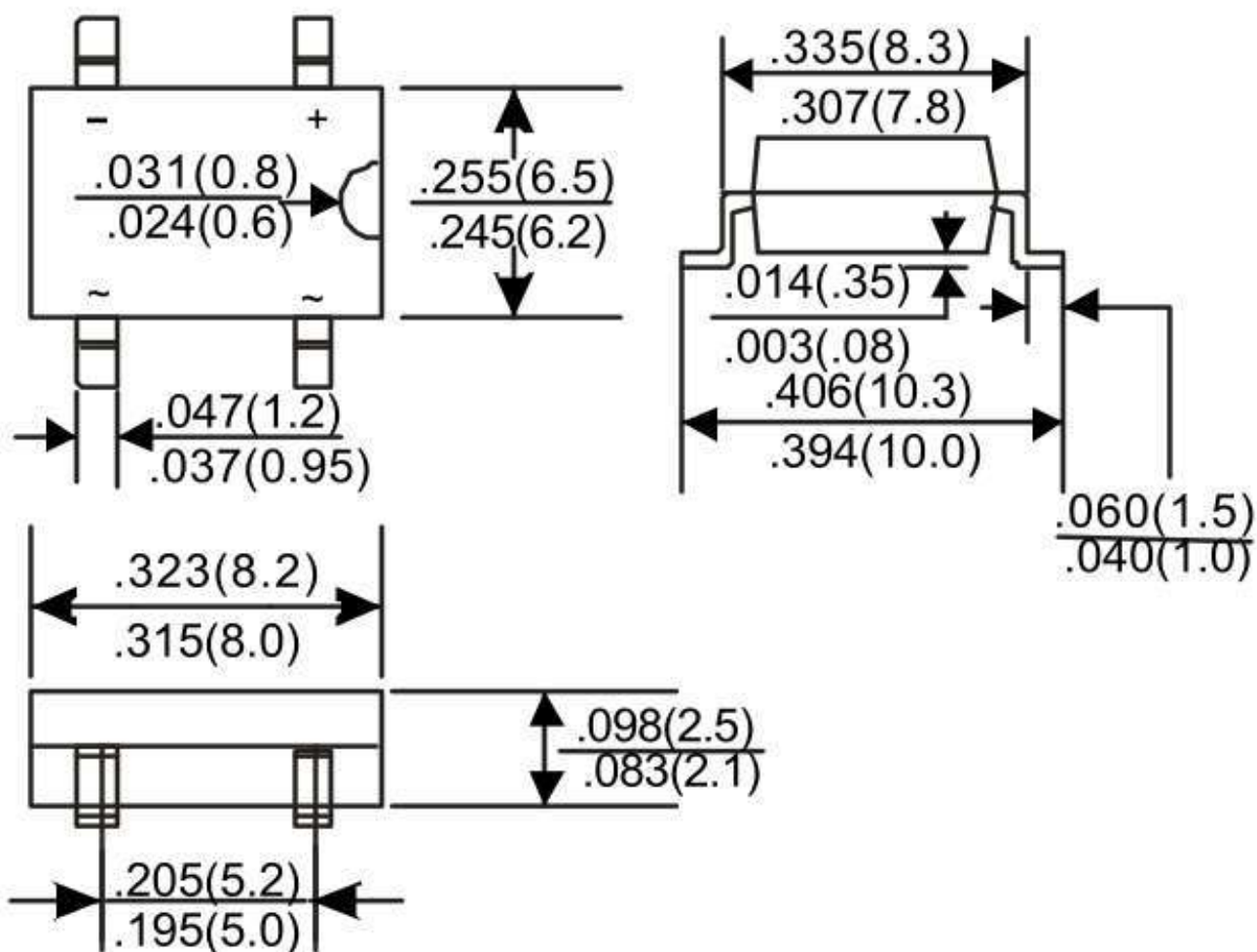


FIG.4-TYPICAL REVERSE CHARACTERISTICS



DF- S Package Outline Dimensions

DF-1S



Dimensions in inches and (millimeters)