



DB201 - DB207

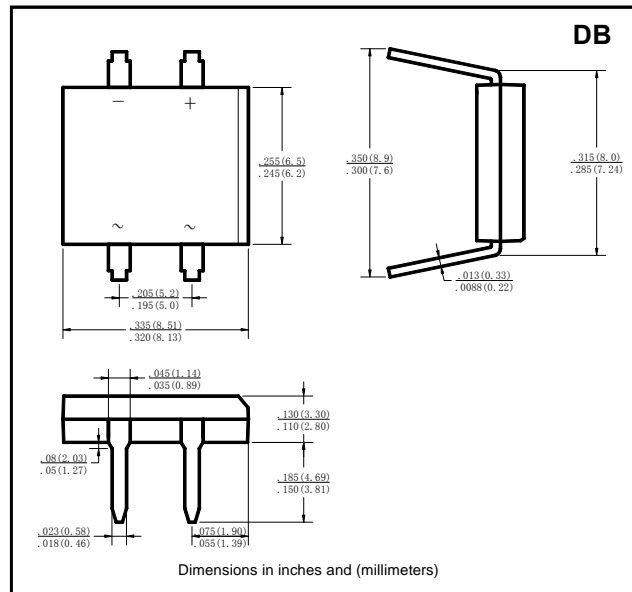
FEATURES

- I_o 2A
- V_{RRM} 50V~1000V
- Glass passivated chip
- High surge forward current capability

APPLICATIONS

- General purpose 1 phase Bridge rectifier applications

Outline Dimensions and Mark



ABSOLUTE MAXIMUM RATING

Item	Symbol	Unit	Conditions	DB2						
				01	02	03	04	05	06	07
Repetitive Peak Reverse Voltage	V _{RRM}	V		50	100	200	400	600	800	1000
Average Rectified Output Current	I _O	A	60Hz, T _a =25°C 60Hz sine wave, R-load, T _a =25°C	2.0						
Surge(Non-Repetitive)Forward Current	I _{FSM}	A	60Hz, T _j =25°C 60Hz sine wave, 1 cycle, T _j =25°C	60						
Current Squared Time	I ² t	A ² S	1ms≤t<8.3ms T _j =25°C, 1ms≤t<8.3ms T _j =25°C, Rating of per diode	15						
Storage Temperature	T _{stg}	°C		-55 ~+150						
Junction Temperature	T _j	°C		-55 ~+150						

ELECTRICAL CHARACTERISTICS (TA=25 °C)

Item	Symbol	Unit	Test Condition	Max
Peak Forward Voltage	V _{FM}	V	I _{FM} =2.0A, I _{FM} =2.0A, Pulse measurement, Rating of per diode	1.1
Peak Reverse Current	I _{RRM}	μA	V _{RM} =V _{RRM} , V _{RM} =V _{RRM} , Pulse measurement, Rating of per diode	10
Thermal Resistance	R _{θJ-A}	°C/W	Between junction and ambient, On glass-epoxi substrate	68
	R _{θJ-L}		Between junction and lead	15

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CHARACTERISTICS (TYPICAL)

FIG1: I_o - T_a Curve

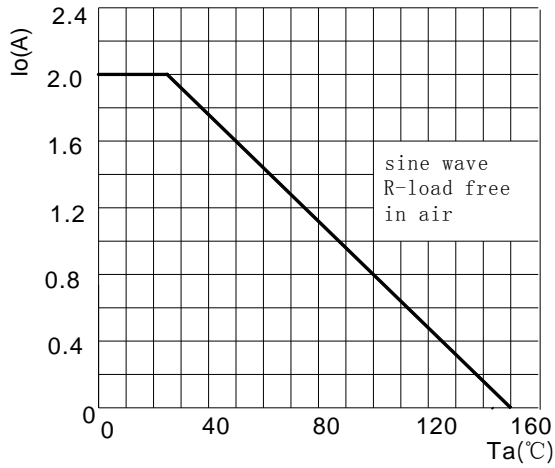


FIG2: Surge Forward Current Capability

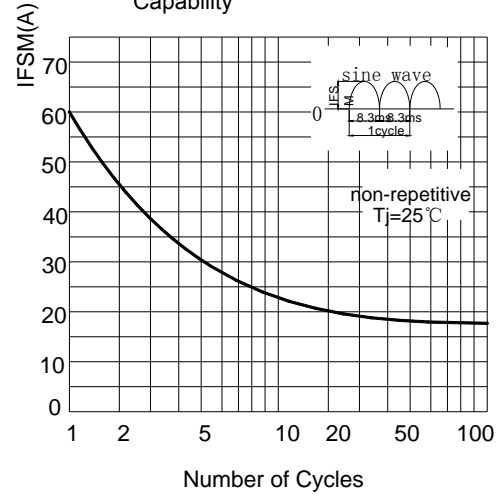


FIG3: Forward Voltage

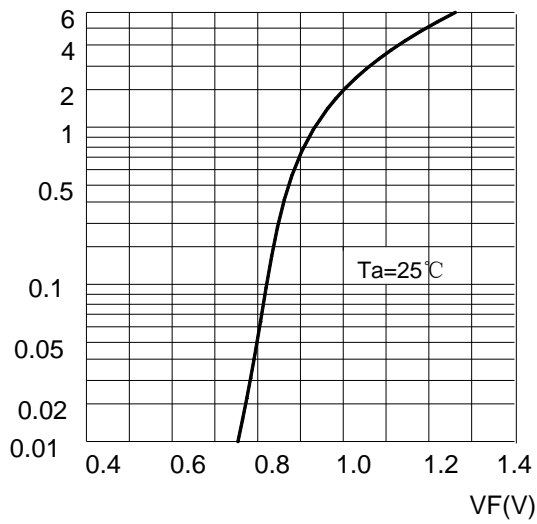


FIG4: Typical Reverse Characteristics

