



ON Semiconductor®

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# DBB08

## 0.8A Single-Phase Bridge Rectifier

### Features

- Plastic molded structure and ultrasmall package making it easy to make DBB08-applied sets smaller.
- Glass passivation for high reliability.

### Specifications

#### Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	DBB08G	Unit
Peak Reverse Voltage	V <sub>RM</sub>		600	V
Average Rectified Current	I <sub>O</sub>	Alumina board	0.8	A
		PCB	0.5	A
Surge Forward Current	I <sub>FSM</sub>	50Hz sine wave, 1cycle	30	A
Junction Temperature	T <sub>j</sub>		150	°C
Storage Temperature	T <sub>stg</sub>		-40 to +150	°C

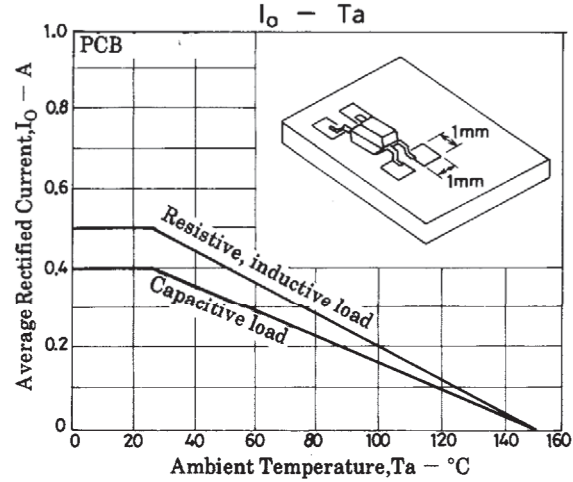
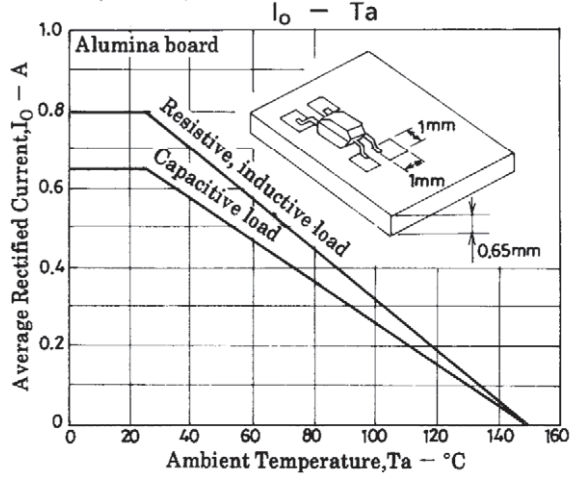
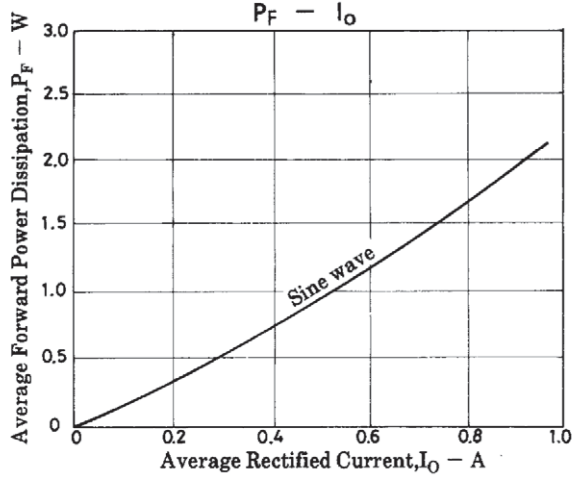
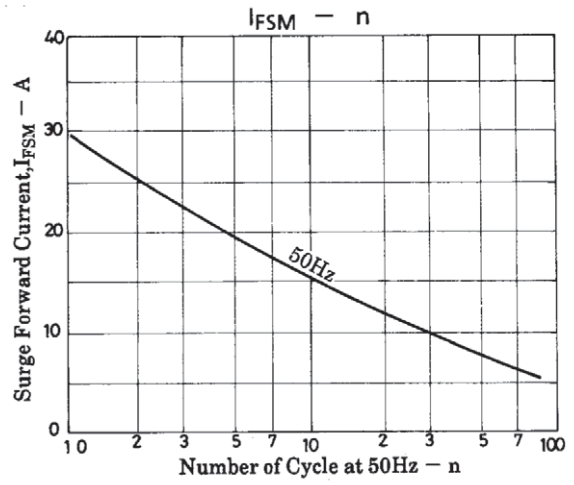
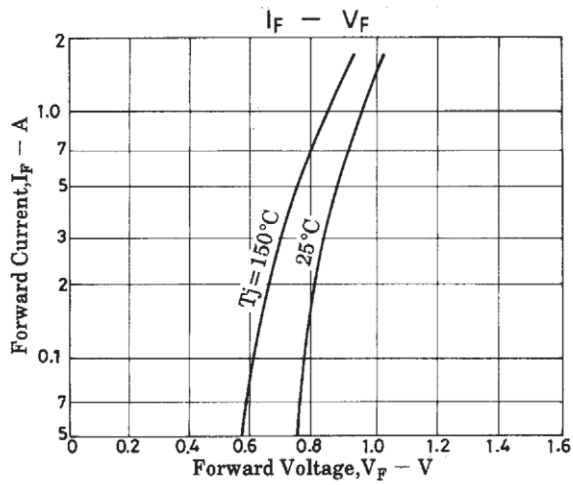
Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.

#### Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =0.4A			1.05	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> :At each V <sub>RM</sub>			10	μA
Thermal Resistance	R <sub>th(j-a)</sub>	Mounted on Cu foil (1mm×1mm) on alumina board			76	°C / W
		Mounted on PCB			134	°C / W

### ORDERING INFORMATION

See detailed ordering and shipping information on page 3 of this data sheet.

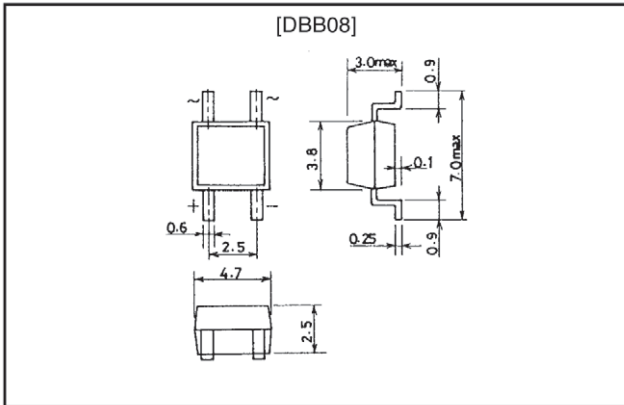


Package Dimensions

DBB08G-TM-E

unit:mm

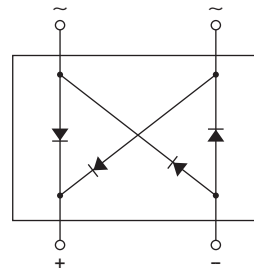
1189 Surface mount type (TM emboss taping)



Ordering & Package Information

Device	Package	Shipping	memo
DBB08G-TM-E	DIP4	750 pcs./reel	Pb-Free

Electrical Connection



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