

DBB08

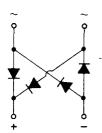
Diffused Junction Silicon Diode

0.8A Single-Phase Bridge Rectifier

Features

- · Plastic molded structure and ultrasmall package making it easy to make DBB08-applied sets smaller.
- · Two type of package available, surface mount type and insertion type.
- · Glass passivation for high reliability.

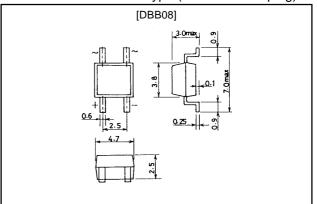
Electrical Connection



Package Dimensions

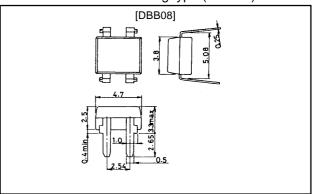
unit:mm

1189 Surface mount type (TM emboss taping)



unit:mm

1247 Substrate inserting type (LT stick)



Specifications

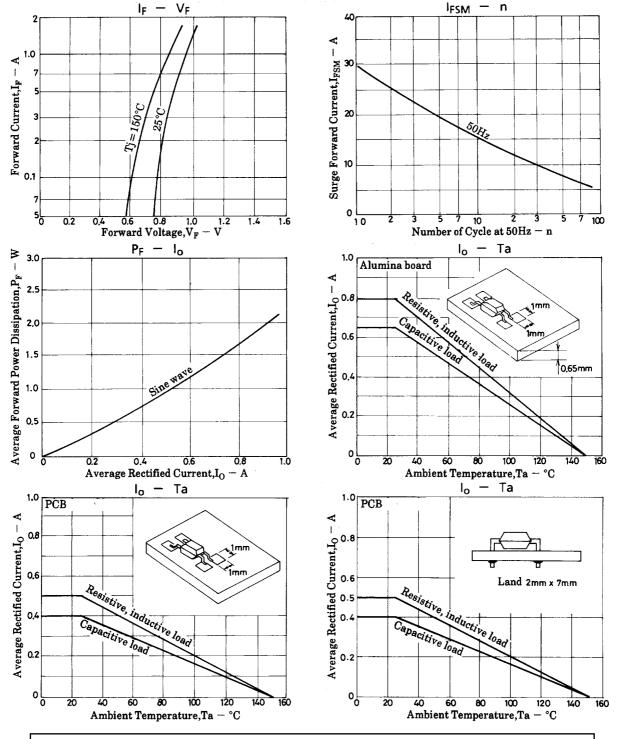
Absolute Maximum Ratings at Ta = 25°C

		i .			
Parameter	Symbol	Conditions	DBB08C	DBB08G	Unit
Peak Reverse Voltage	V _{RM}		200	600	V
Average Recitified Current	lo	Alumina board*	\rightarrow	0.8	Α
		PCB	\rightarrow	0.5	Α
Surge Forward Current	I _{FSM}	50Hz sine wave, 1cycle	\rightarrow	30	Α
Junction Temperature	Tj		\rightarrow	150	°C
Storage Temperature	Tstg		\rightarrow	-40 to +150	°C

Electrical Characteristics at Ta = 25°C, per constituent element of bridge

Parameter	Symbol	Conditions	Ratings			Unit
i alametei		Conditions		typ	max	Offic
Forward Voltage	٧F	I _F =0.4A			1.05	V
Reverse Current	I_{R}	V _R :At each V _{RM}			10	μΑ
Thermal Resistance	Rth(j-a)	Mounted on Cu foil (1mm×1mm) on alumina board			76	°C/W
		Mounted on PCB			134	°C/W

Note*:Surface mount type.



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