Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Ordering number : EN2772C

DBB08

0.8A Single-Phase Bridge Rectifier

ON Semiconductor®

http://onsemi.com

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_{RM}		600	V
Average Recitifiedd Current	I_O	Alumina board	0.8	A
		PCB	0.5	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1cycle	30	A
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		−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.

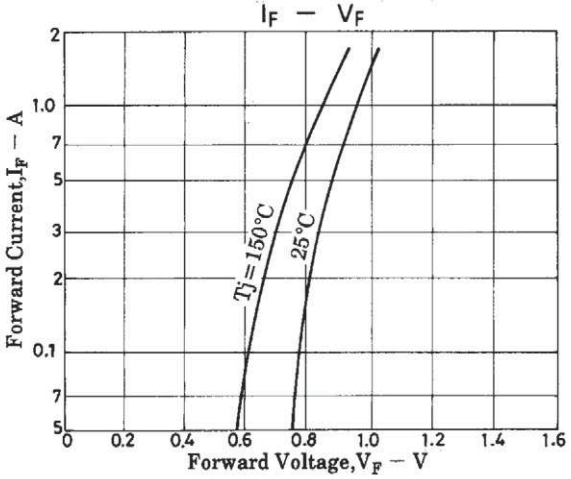
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	I_F=0.4A			1.05	V
Reverse Current	I_R	V_R:At each V_{RM}			10	μA
Thermal Resistance	Rth(j-a)	Mounted on Cu foil (1mm×1mm) on alumina boad			76	°C / W
		Mounted on PCB			134	°C / W

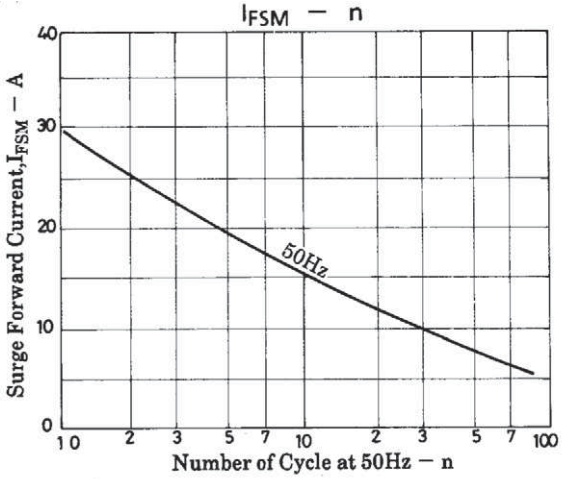
ORDERING INFORMATION

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

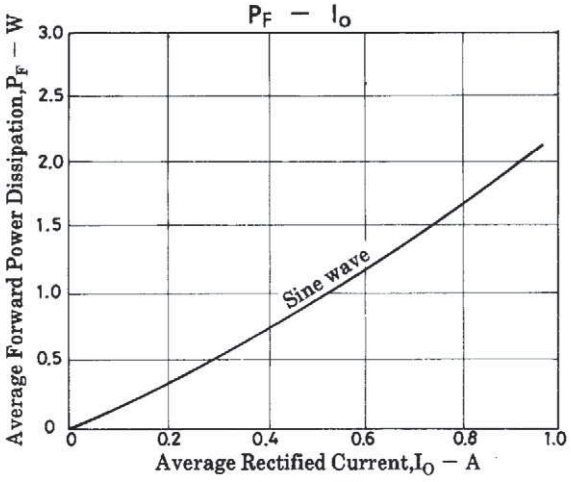
$I_F - V_F$



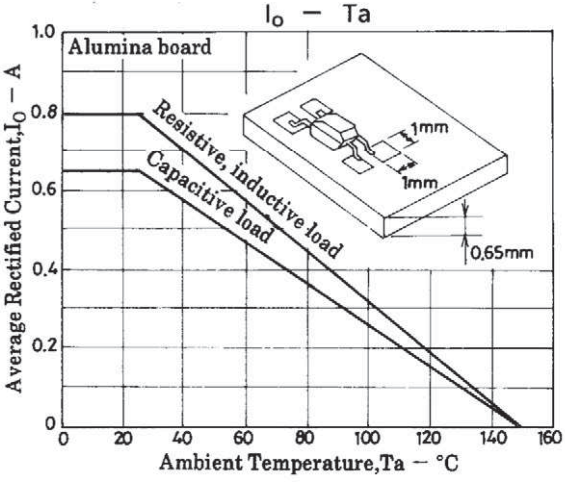
$I_{FSM} - n$



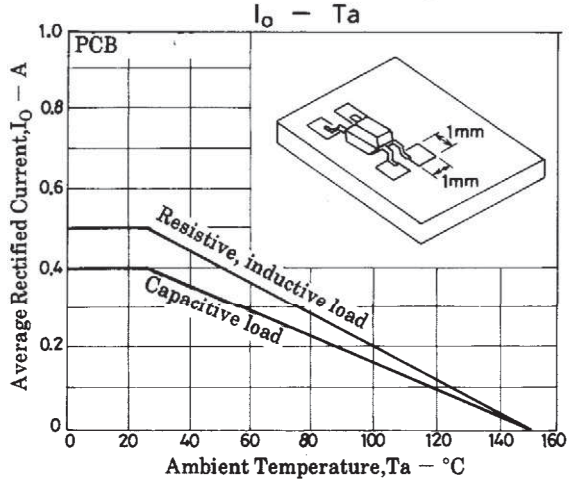
$P_F - I_O$



$I_O - Ta$



$I_O - Ta$

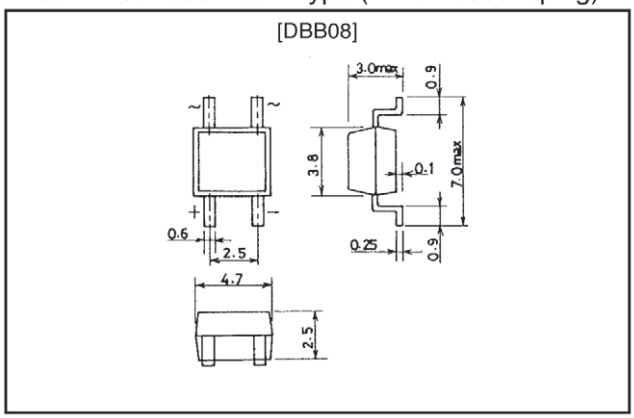


Package Dimensions

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