## **DBA250G**

# 25.0A Single-Phase Bridge Rectifier

## Features

- Plastic molded structure
- Glass passivation for high reliability
- Peak reverse voltage: V<sub>RM</sub>=600V
- Average rectified current: IO=25A

## SPECIFICATIONS

ABSOLUTE MAXIMUM RATINGS at Ta = 25°C (Note 1)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V <sub>RM</sub>	600	V
Average Rectified Current Ta = 40°C		6.0	А
Average Rectified Current Ta = $40^{\circ}$ C With a $300 \times 300 \times 3.0$ mm <sup>3</sup> Cu fin			
Surge Forward Current 50Hz sine wave, 1cycle	IFSM	400	А
Junction Temperature	Тј	150	°C
Storage Temperature	Tstg	-40 to +150	°C
Insulation Voltage	VIS	2	kV

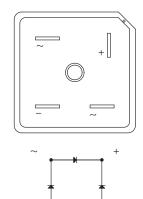
Note 1 : Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.



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### **ELECTRICAL CONNECTION**



#### MARKING



## ORDERING INFORMATION

See detailed ordering and shipping information on page 4 of this data sheet

## **DBA250G**

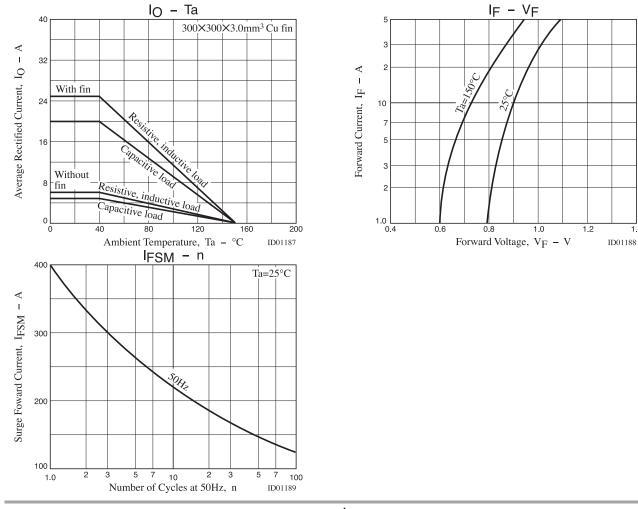
## ELECTRICAL CHARACTERISTICS at Ta = 25°C (Note 2)

Parameter	Symbol	Symbol Conditions	Value			Unit
Falameter	Symbol		min	typ	max	UTIIL
Forward Voltage	٧F	I <sub>F</sub> = 12.5A (Note 4)			1.05	V
Reverse Current	IR	V <sub>R</sub> : At each V <sub>RM</sub> (Note 4)			10	μA
Thermal Resistance	Rth(j-c)	Junction-Case			1.5	°C / W

Note 2 : Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

Note 3 : Tightening torque : 0.98N·m max.

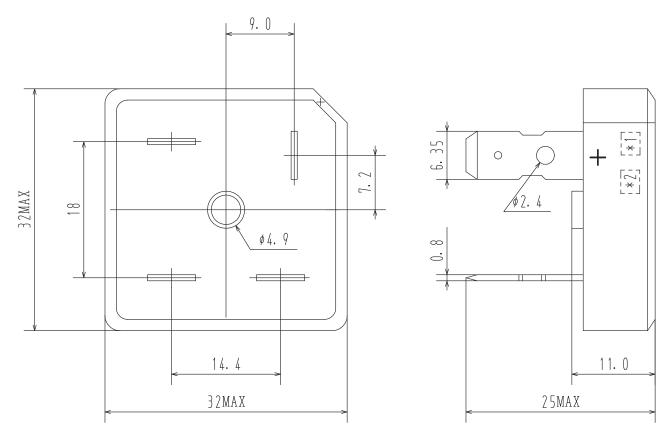
Note 4 : Per constituent element of bridge.



1.4

#### PACKAGE DIMENSIONS unit : mm

GBPC 32x32 / DBA250 CASE 160AC ISSUE O



**米**1 : Lot No. **米**2 : G

## **DBA250G**

#### **ORDERING INFORMATION**

Device	Marking	Package	Shipping
DBA250G	BA250G	GBPC 32x32 / DBA250 (Pb-Free)	50pcs / Tray 250pcs / Box

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