

# **DBA100G** Datasheet

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DiGi Electronics Part Number	DBA100G-DG
Manufacturer	onsemi
Manufacturer Product Number	DBA100G
Description	BRIDGE RECT 1PHASE 600V 3.7A
Detailed Description	Bridge Rectifier Single Phase Standard 600 V Through Hole

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## Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
DBA100G	onsemi
Series:	Product Status:
-	Obsolete
Diode Type:	Technology:
Single Phase	Standard
Voltage - Peak Reverse (Max):	Current - Average Rectified (Io):
600 V	3.7 A
Voltage - Forward (Vf) (Max) @ lf:	Current - Reverse Leakage @ Vr:
1.05 V @ 5 A	10 μA @ 600 V
Operating Temperature:	Mounting Type:
Operating Temperature: 150°C (TJ)	Mounting Type: Through Hole
150°C (TJ)	Through Hole
150°C (TJ) Package / Case:	Through Hole Supplier Device Package:
150°C (TJ) Package / Case: 4-Square, GBPC-W	Through Hole Supplier Device Package:

## Environmental & Export classification

Moisture Sensitivity Level (MSL):	
1 (Unlimited)	
ECCN:	
EAR99	

REACH Status:	
REACH Unaffected	
HTSUS:	
8541.10.0080	

# Discontinued



**DBA100** 

**Diffused Junction Silicon Diode** 

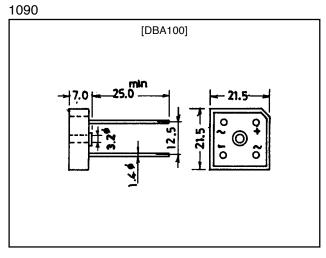
## **10.0A Single-Phase Bridge Rectifier**

## **Features**

- · Plastic molded structure.
- $\cdot$  Glass passivation for high reliability.
- $\cdot$  Peak reverse voltage:V<sub>RM</sub>=200, 600V.
- · Average rectified current:  $I_0=10.0A$ .

## **Package Dimensions**

unit:mm



## Specifications

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

Parameter	Symbol	Conditions	DBA100C	DBA100G	Unit
Peak Reverse Voltage	V <sub>RM</sub>		200	600	V
Average Recitified Current	I <sub>O</sub>	Ta=40°C	$\rightarrow$	3.7	A
		Ta=40°C, with 200×200×1.5mm <sup>3</sup> AI fin	$\rightarrow$	10.0	A
Surge Forward Current	IFSM		$\rightarrow$	200	А
Junction Temperature	Tj		$\rightarrow$	150	°C
Storage Temperature	Tstg		$\rightarrow$	-30 to +150	°C

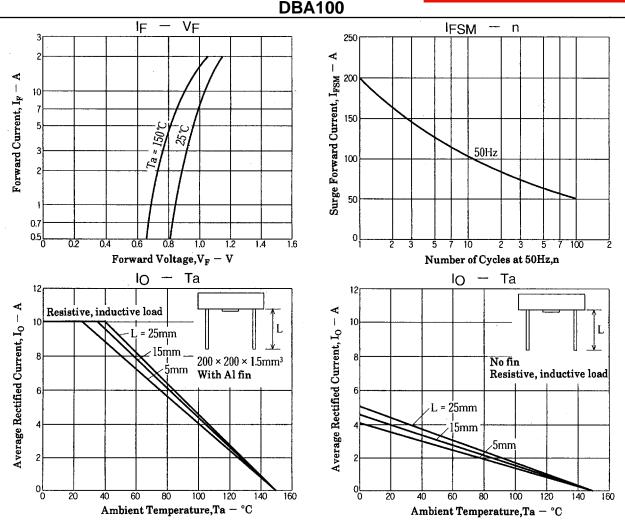
#### Electrical Characteristics at Ta = 25°C, per constituent element of bridge

Parameter	Symbol	Conditions	Ratings			Unit
	Cymbol		min	typ	max	Unit
Forward Voltage	٧ <sub>F</sub>	I <sub>F</sub> =5.0A			1.05	V
Reverse Current	IR	V <sub>R</sub> :At each V <sub>RM</sub>			10	μA

Note:Mounting torque:0.49N·m max.

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# Discontinued



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