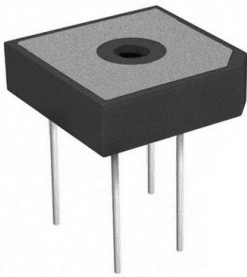


DBA100G Datasheet

www.digi-electronics.com



<https://www.DiGi-Electronics.com>

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



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

DBA100G

Series:

-

Diode Type:

Single Phase

Voltage - Peak Reverse (Max):

600 V

Voltage - Forward (Vf) (Max) @ If:

1.05 V @ 5 A

Operating Temperature:

150°C (TJ)

Package / Case:

4-Square, GBPC-W

Base Product Number:

DBA1

Manufacturer:

onsemi

Product Status:

Obsolete

Technology:

Standard

Current - Average Rectified (Io):

3.7 A

Current - Reverse Leakage @ Vr:

10 µA @ 600 V

Mounting Type:

Through Hole

Supplier Device Package:

-

Environmental & Export classification

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

REACH Status:

REACH Unaffected

HTSUS:

8541.10.0080

**DBA100**

Diffused Junction Silicon Diode

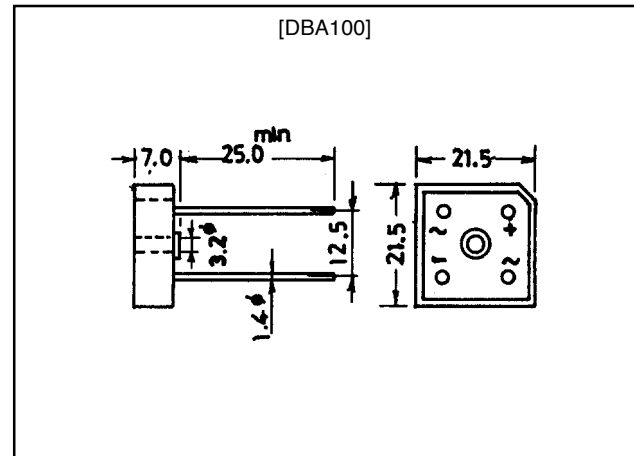
10.0A Single-Phase Bridge Rectifier**Features**

- Plastic molded structure.
- Glass passivation for high reliability.
- Peak reverse voltage: $V_{RM}=200, 600V$.
- Average rectified current: $I_O=10.0A$.

Package Dimensions

unit:mm

1090

**Specifications****Absolute Maximum Ratings at $T_a = 25^\circ C$**

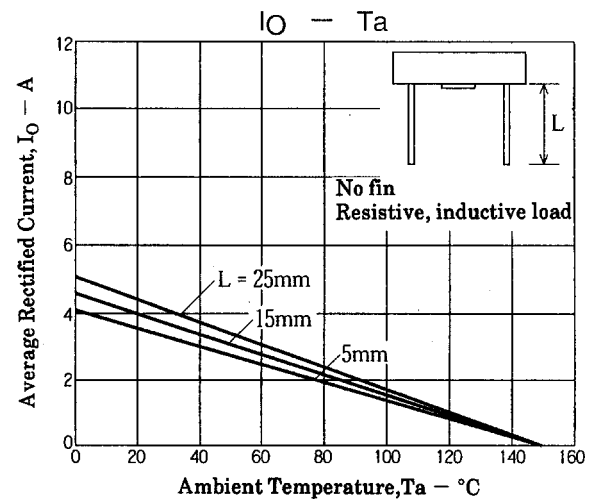
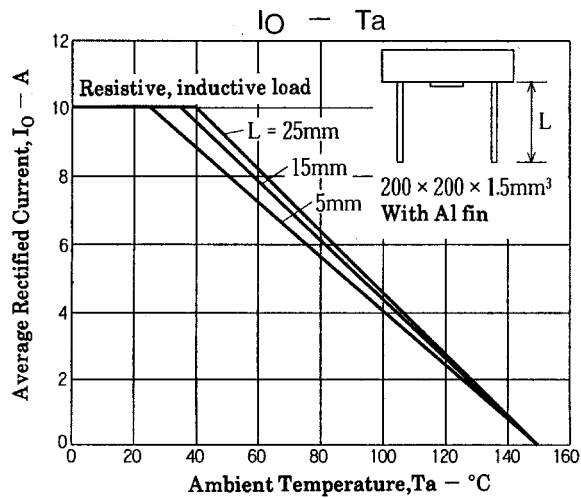
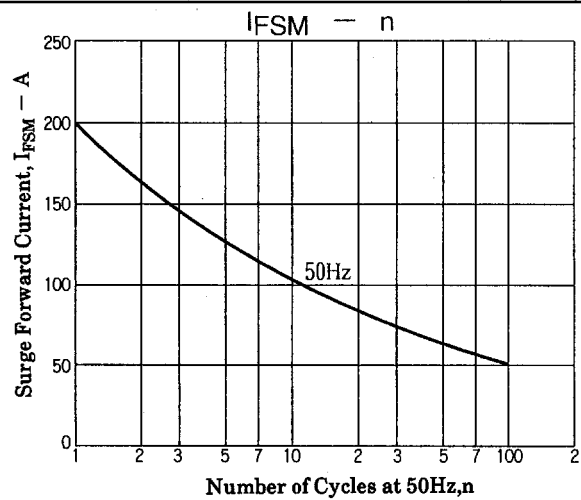
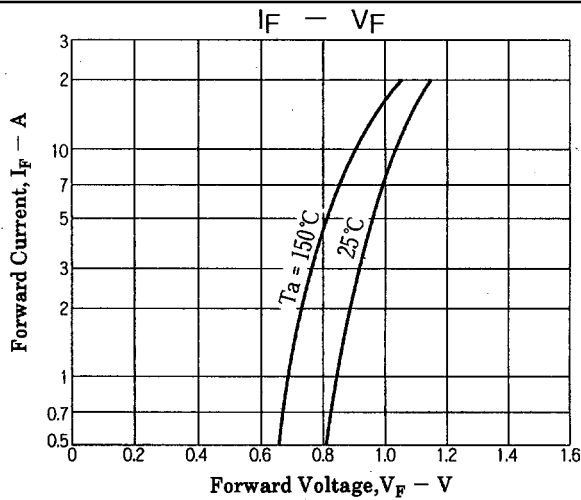
Parameter	Symbol	Conditions	DBA100C	DBA100G	Unit
Peak Reverse Voltage	V_{RM}		200	600	V
Average Rectified Current	I_O	$T_a=40^\circ C$	→	3.7	A
		$T_a=40^\circ C$, with $200 \times 200 \times 1.5 \text{ mm}^3$ Al fin	→	10.0	A
Surge Forward Current	I_{FSM}		→	200	A
Junction Temperature	T_j		→	150	$^\circ C$
Storage Temperature	T_{stg}		→	-30 to +150	$^\circ C$

Electrical Characteristics at $T_a = 25^\circ C$, per constituent element of bridge

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=5.0A$			1.05	V
Reverse Current	I_R	V_R :At each V_{RM}			10	μA

Note:Mounting torque:0.49N·m max.

DBA100



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