

DBA100G

10.0A Single-Phase Bridge Rectifier



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Features

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

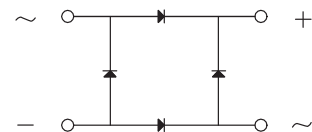
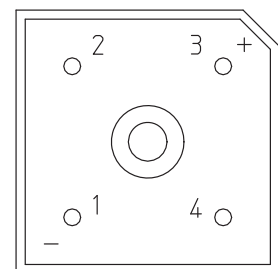
SPECIFICATIONS

ABSOLUTE MAXIMUM RATINGS at $T_a = 25^{\circ}C$ (Note 1)

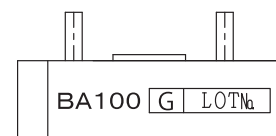
Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	600	V
Average Rectified Current $T_a = 40^{\circ}C$	I_O	3.7	A
Average Rectified Current $T_a = 40^{\circ}C$ with $200 \times 200 \times 1.5mm^3$ Al fin		10.0	A
Surge Forward Current	I_{FSM}	200	A
Junction Temperature	T_j	150	$^{\circ}C$
Storage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

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.

ELECTRICAL CONNECTION



MARKING



ORDERING INFORMATION

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

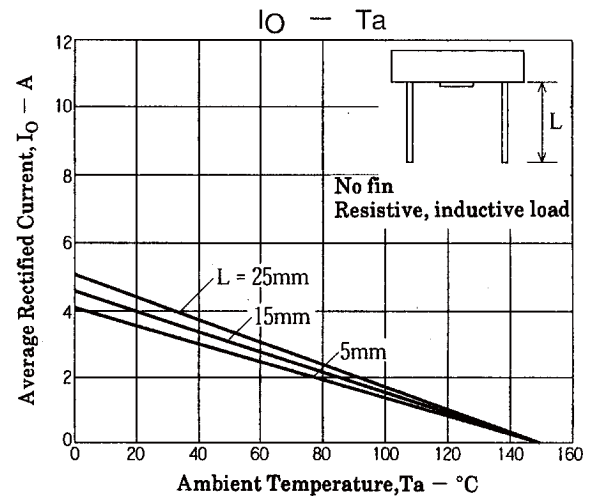
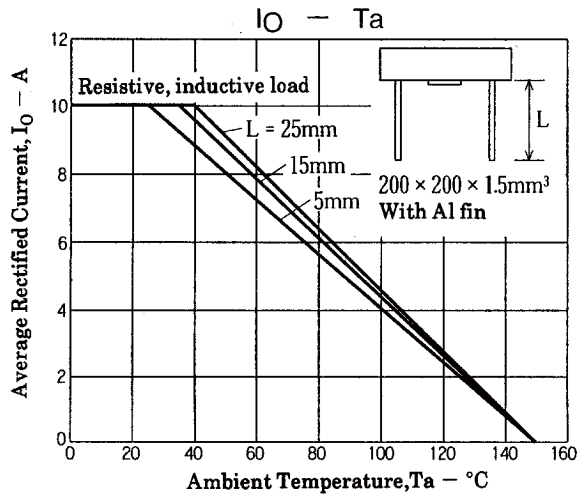
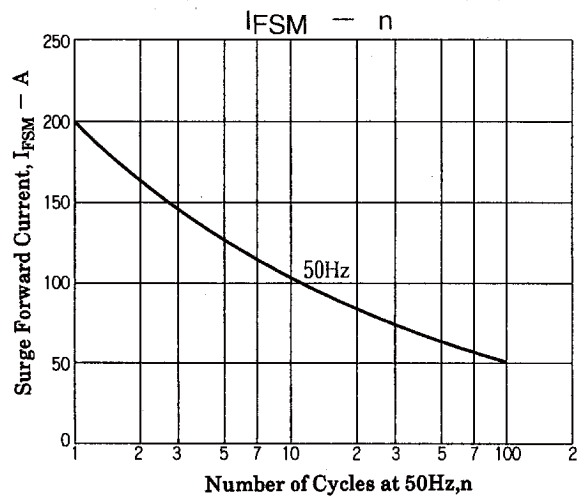
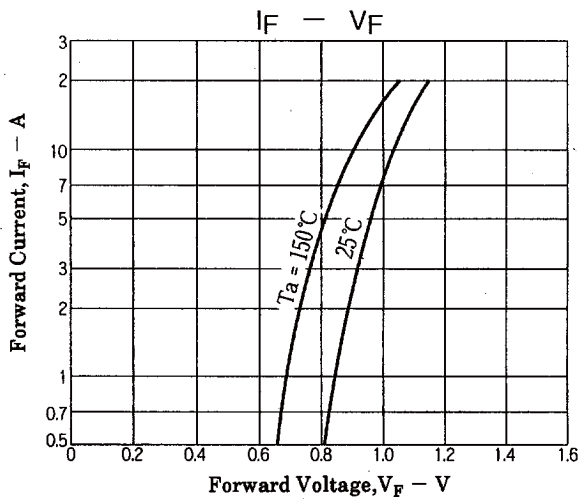
DBA100G

ELECTRICAL CHARACTERISTICS at $T_a = 25^\circ\text{C}$ (Note 2)

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

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 : Mounting torque : 0.49N·m max.

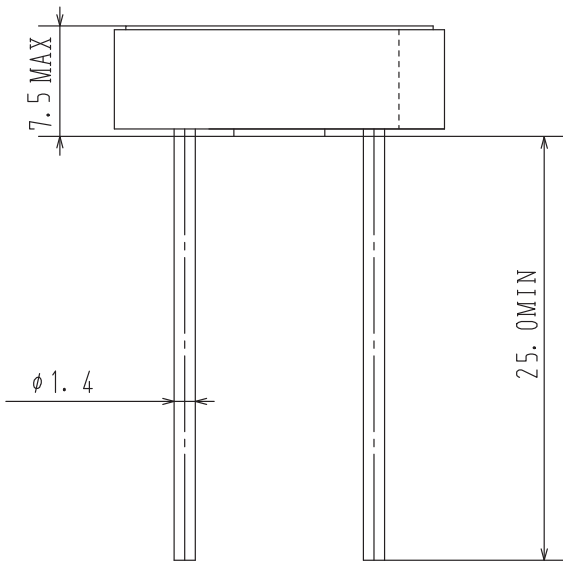
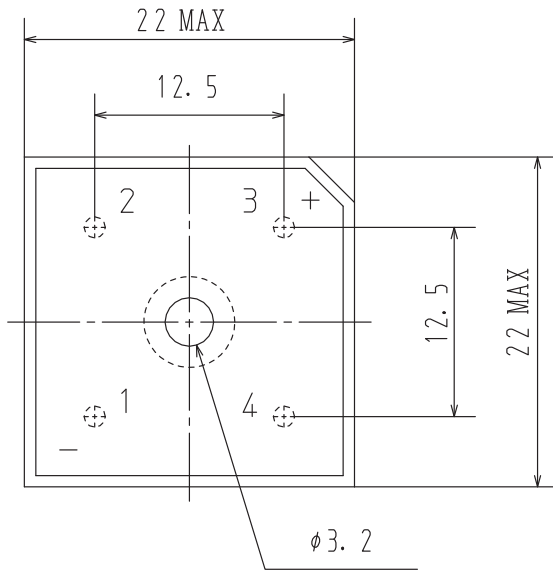


DBA100G

PACKAGE DIMENSIONS

unit : mm

GBPC-W 21.8x21.8 / DBA100



DBA100G

ORDERING INFORMATION

Device	Marking	Package	Shipping
DBA100G	BA100G	GBPC-W 21.8x21.8 / DBA100 (Pb-Free)	100pcs / Tray 1,000pcs / Box

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