

**DBA100**

Diffused Junction Silicon Diode

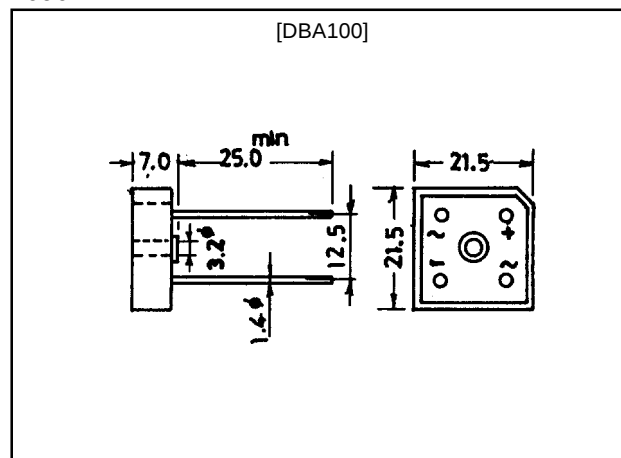
10.0A Single-Phase Bridge Rectifier**Features**

- 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

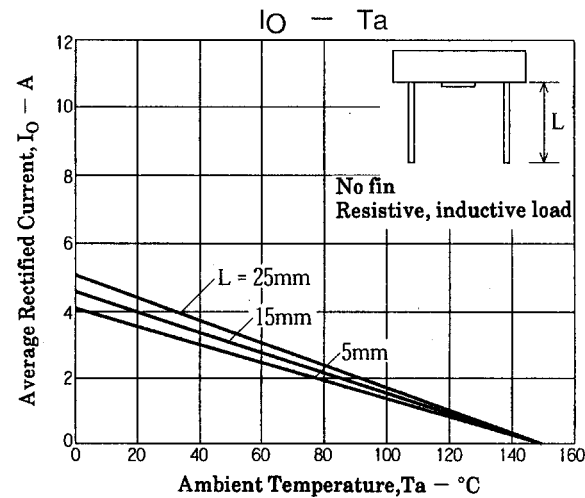
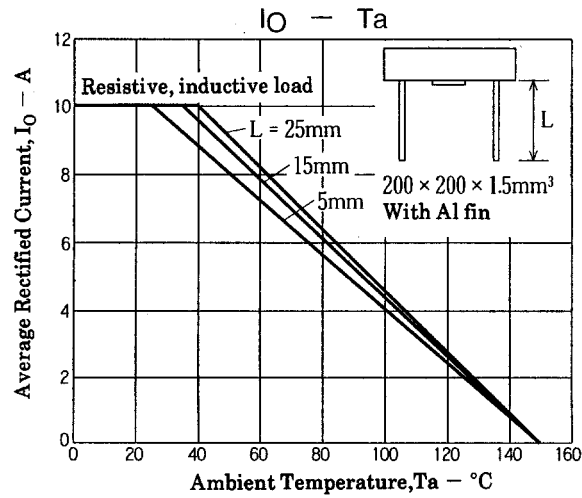
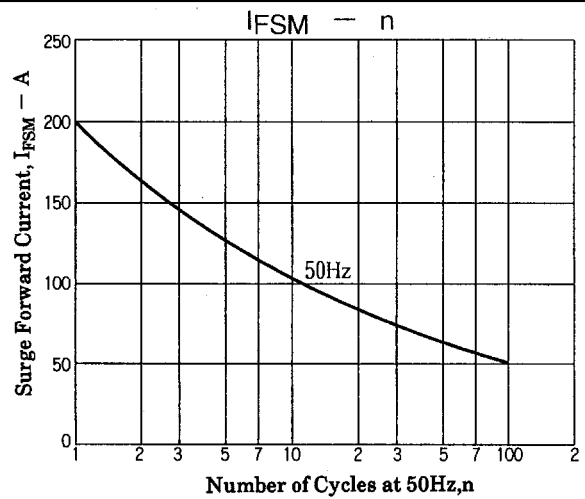
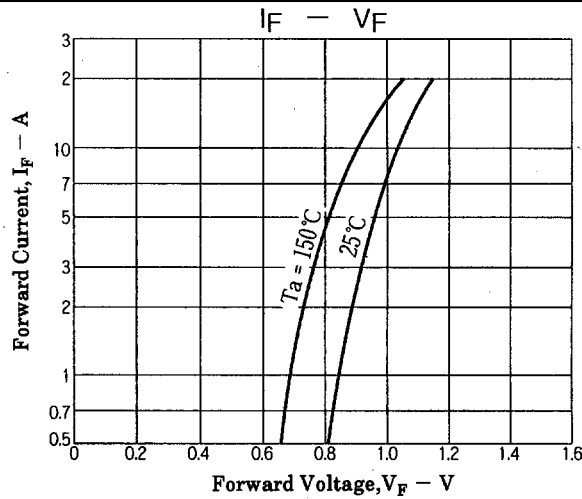
**Specifications****Absolute Maximum Ratings at $T_a = 25^\circ C$**

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 $200 \times 200 \times 1.5mm^3$ 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	$^\circ C$

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: $0.49N \cdot m$ max.



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