

**DBA30**

Diffused Junction Silicon Diode

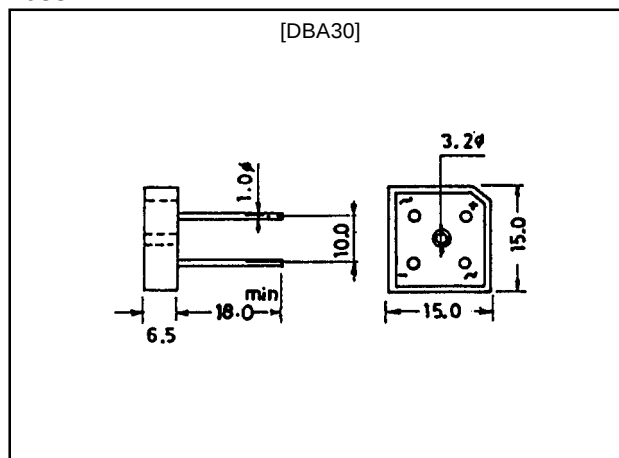
3A Single-Phase Bridge Rectifier**Features**

- Single-phase bridge rectifier applications.
- Plastic molded type.
- Peak reverse voltage : $V_{RM}=100$ to $600V$.
- Average rectified current : $I_O=3A$

Package Dimensions

unit:mm

1088B

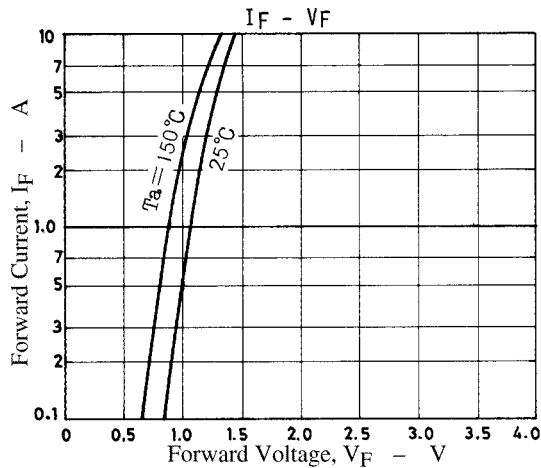
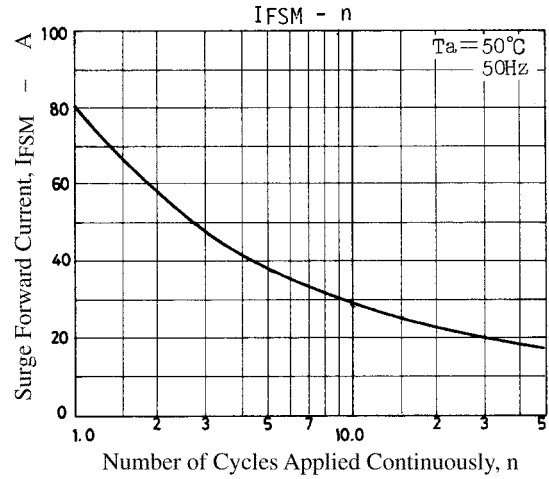
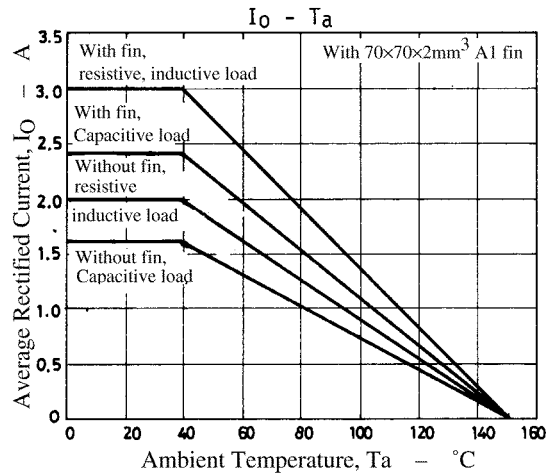
**Specifications****Absolute Maximum Ratings at $T_a = 25^\circ C$**

Parameter	Symbol	Conditions	DBA30B	DBA30C	DBA30E	DBA30G	Unit
Peak Reverse Voltage	V_{RM}		100	200	400	600	V
Average Rectified Current	I_O	$T_a=40^\circ C$, with $70 \times 70 \times 2 mm^3$ Al fin	→	→	→	3.0	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1 cycle	→	→	→	2.0	A
			→	→	→	80	A
Junction Temperature	T_j		→	→	→	150	$^\circ C$
Storage Temperature	T_{stg}		→	→	→	-40 to +150	$^\circ C$

Electrical Characteristics at $T_a = 25^\circ C$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=1.5A$			1.10	V
Reverse Current	I_R	V_R : Each V_{RM}			10	μA

Note : Tightening torque : 0.29 N·m



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