

**DBA20**

Diffused Junction Type Silicon Diode

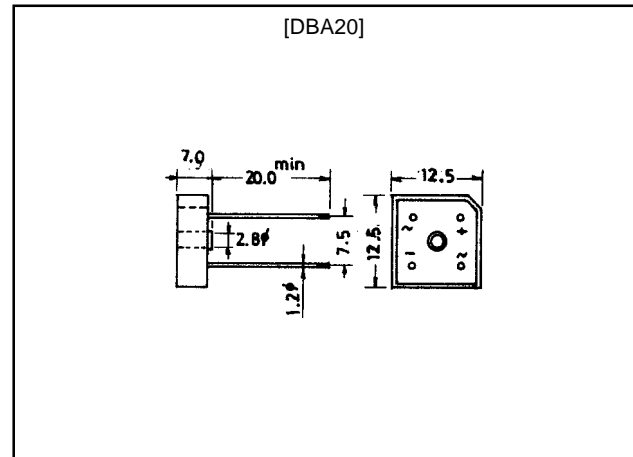
2.0A Single-Phase Bridge Rectifier**Features**

- Plastic molded structure.
- Glass passivation for high reliability.
- Peak reverse voltage: $V_{RM}=100$ to 400V.
- Average rectified current: $I_O=2.0$ A.

Package Dimensions

unit:mm

1087

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

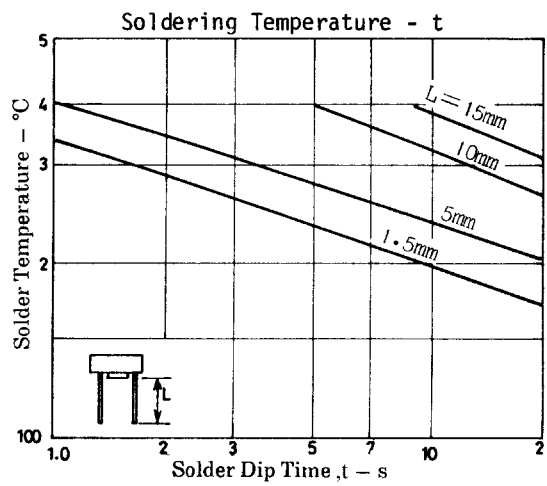
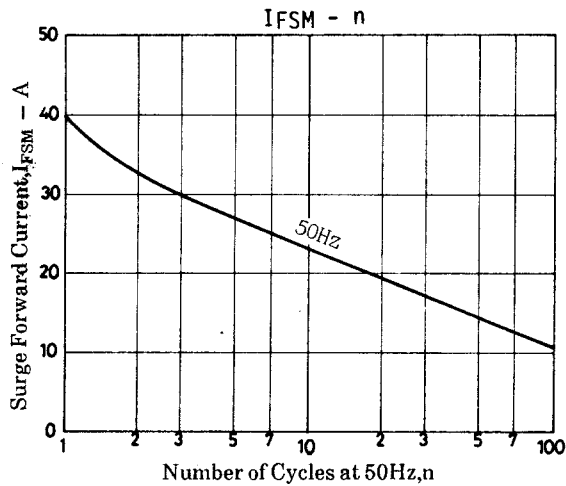
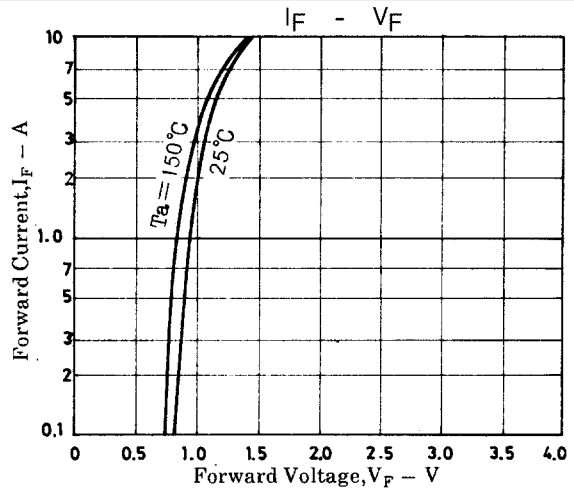
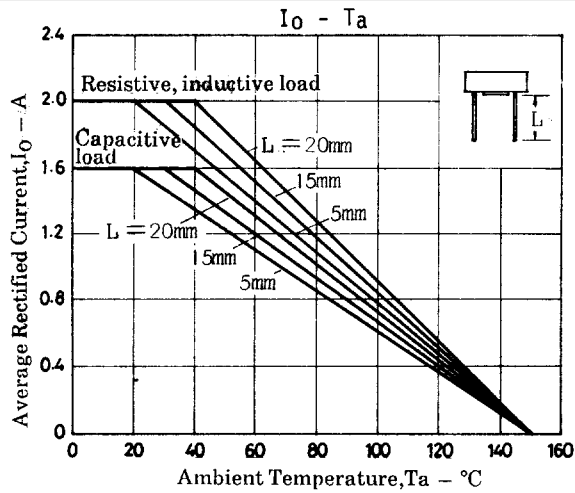
Parameter	Symbol	Conditions	DBA20B	DBA20C	DBA20E	Unit
Peak Reverse Voltage	V_{RM}		100	200	400	V
Average Rectified Current	I_O	$T_a=40^\circ\text{C}$	→	→	2.0	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1cycle	→	→	40	A
Junction Temperature	T_J		→	→	150	$^\circ\text{C}$
Storage Temperature	T_{stg}		→	→	-30 to +150	$^\circ\text{C}$

Electrical Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=1.0$ A			1.05	V
Reverse Current	I_R	V_R :At each V_{RM}			10	μA

Note:Mounting torque:0.49N·m max.

DBA20



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