

**DBB04**

Diffused Junction Silicon Diode

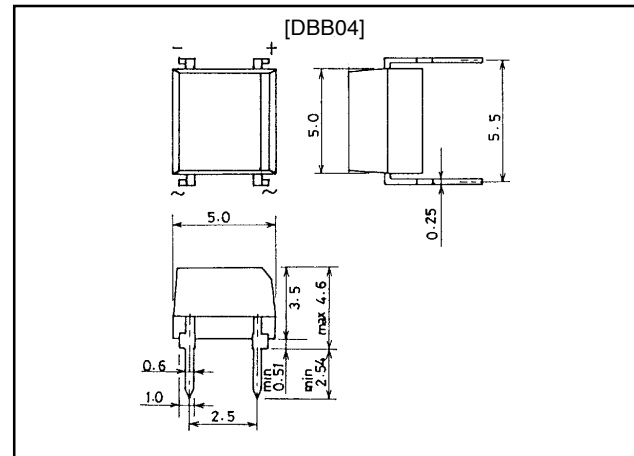
0.4A Single-Phase Bridge Rectifier**Features**

- Single-phase bridge rectifier use.
- Plastic molded structure.
- Peak reverse voltage: $V_{RM}=200, 600V$.
- Average rectified current: $I_O=0.4A$.

Package Dimensions

unit:mm

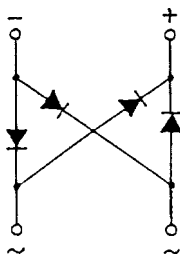
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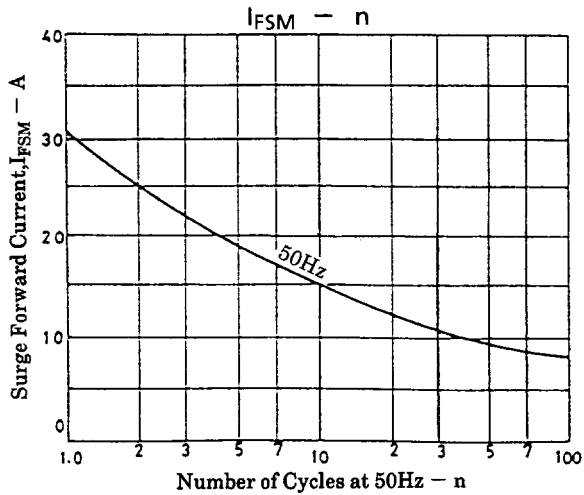
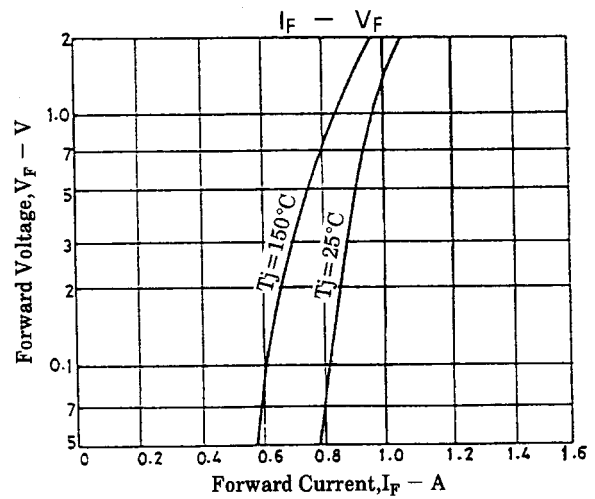
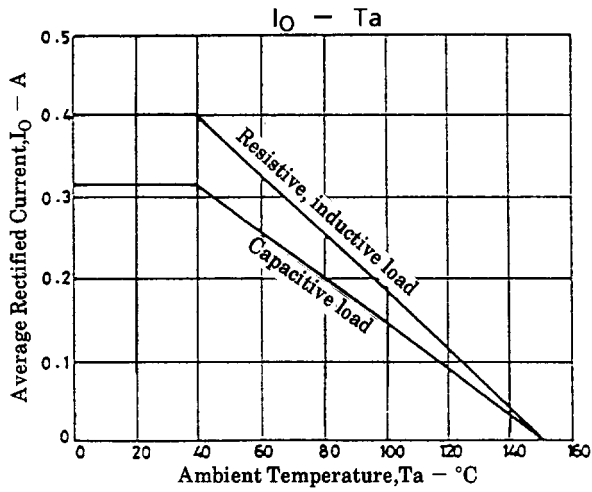
**Specifications****Absolute Maximum Ratings at $T_a = 25^\circ C$**

Parameter	Symbol	Conditions	DBB04C	DBB04G	Unit
Peak Reverse Voltage	V_{RM}		200	600	V
Average Rectified Current	I_O	$T_a=40^\circ C$	→	0.4	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1cycle	→	30	A
Junction Temperature	T_J		→	150	$^\circ C$
Storage Temperature	T_{stg}		→	-40 to +150	$^\circ C$

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

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=0.2A$			1.05	V
Reverse Current	I_R	$V_R: \text{At each } V_{RM}$			10	μA

Electrical Connection



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