

**DBB04**

Diffused Junction Silicon Diode

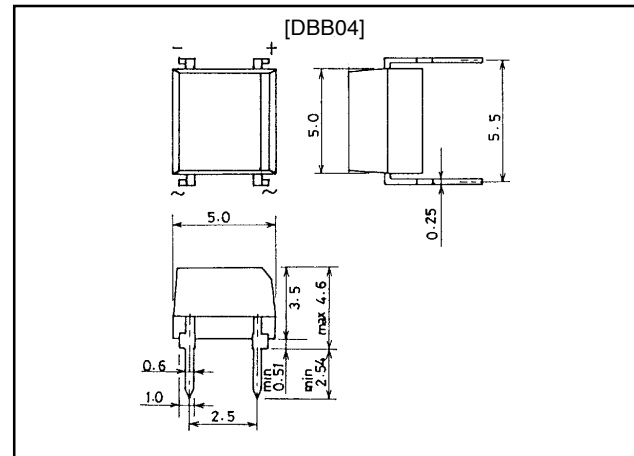
**0.4A Single-Phase Bridge Rectifier****Features**

- 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

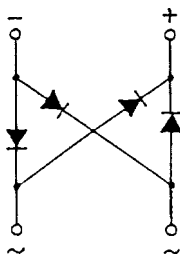
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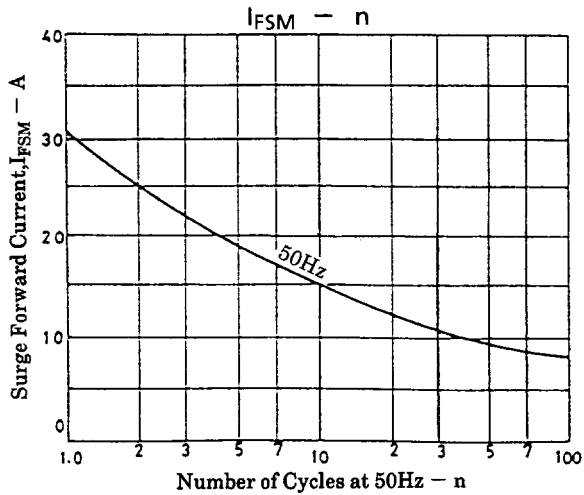
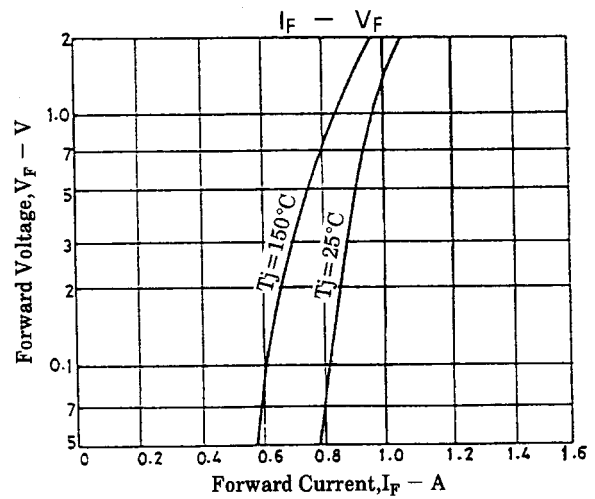
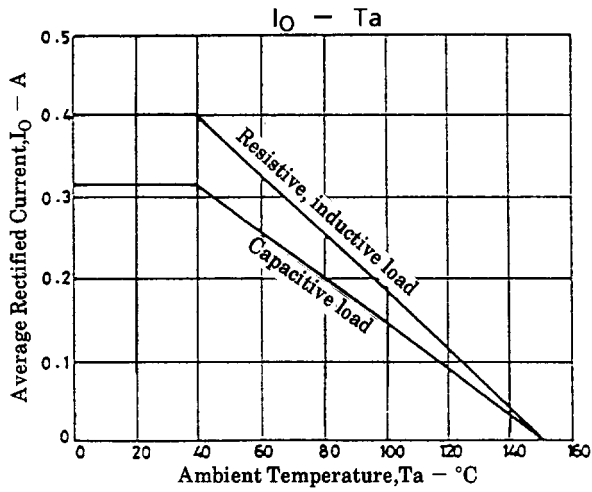
**Specifications****Absolute Maximum Ratings at  $T_a = 25^\circ C$** 

Parameter	Symbol	Conditions	<del>DBB04C</del>	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	$I_R$	$V_R$ :At each $V_{RM}$			10	$\mu A$

**Electrical Connection**



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