Diffused Junction Silicon Diode



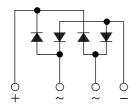
DBF20

# 2.0A Single-Phase Bridge Rectifier

### **Features**

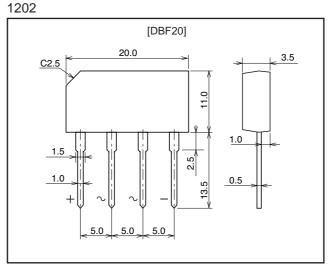
- Glass passivation for high reliability.
- · Plastic molded structure.
- Peak reverse voltage : VRM=200, 600V.
- Average rectified current : IO=2.0A.

## **Electrical Connection**



## **Package Dimensions**

unit : mm



## Specifications

#### Absolute Maximum Ratings at Ta=25°C

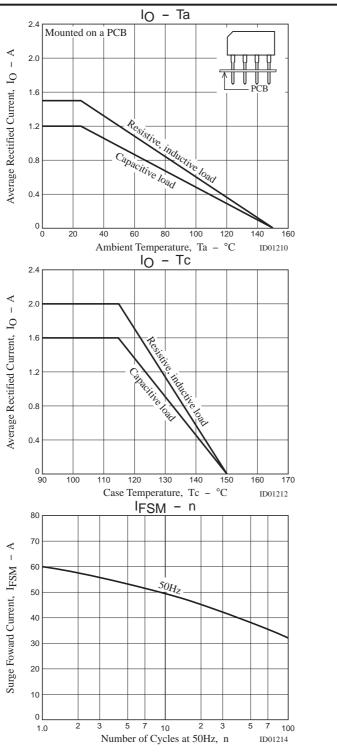
Parameter	Symbol	Conditions	DBF20C	DBF20G	Unit
Peak Reverse Voltage	VRM		200	600	V
Average Recitified Current	IO	Tc=114°C, with a 50×50×1.5mm <sup>3</sup> Al fin	$\rightarrow$	2.0	Α
		Ta=25°C, without fin	$\rightarrow$	1.5	А
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	$\rightarrow$	60	А
Junction Temperature	Tj		$\rightarrow$	150	°C
Storage Temperature	Tstg		$\rightarrow$	-40 to +150	°C

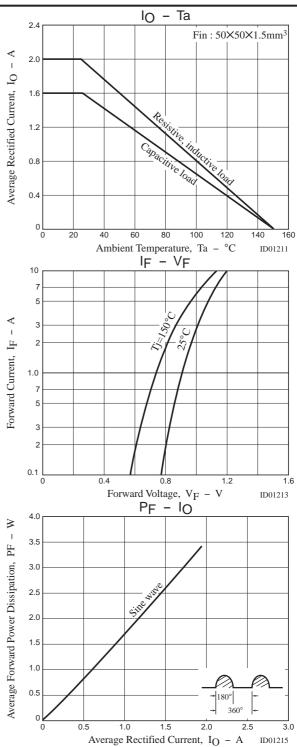
#### Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			11-14
			min	typ	max	Unit
Forward Voltage	VF	IF=0.75A			1.05	V
Reverse Current	IR	VR : At each VRM			10	μΑ
Thermal Resistance(Junction-Ambient)	Rth(j-a)	without fin			75	°C/W
Thermal Resistance(Junction-Case)	Rth(j-c)	with an AI fin			10	°C/W

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