

DBF60

Silicon Diffused Junction Type

6.0A Single-Phase Bridge Rectifier

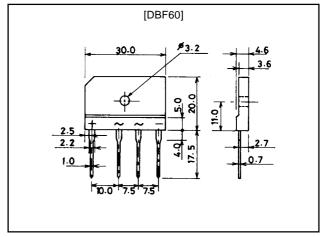
Features

- · Glass passivation for high reliability.
- · Plastic molded structure.
- · Peak reverse voltage:V_{RM}=200, 600V.
- · Average rectified current:I_O=6.0A.

Package Dimensions

unit:mm

1191



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	DBF60C	DBF60G	Unit
Peak Reverse Voltage	V _{RM}		200	600	V
Average Rectified Current	lo	Tc=110°C, with 125×125×1.5mm³ AI fin	\rightarrow	6	Α
		Ta=25°C, without fin	\rightarrow	2.8	Α
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	\rightarrow	120	Α
Junction Temperature	Tj		\rightarrow	150	°C
Storage Temperature	Tstg		\rightarrow	-40 to +150	°C

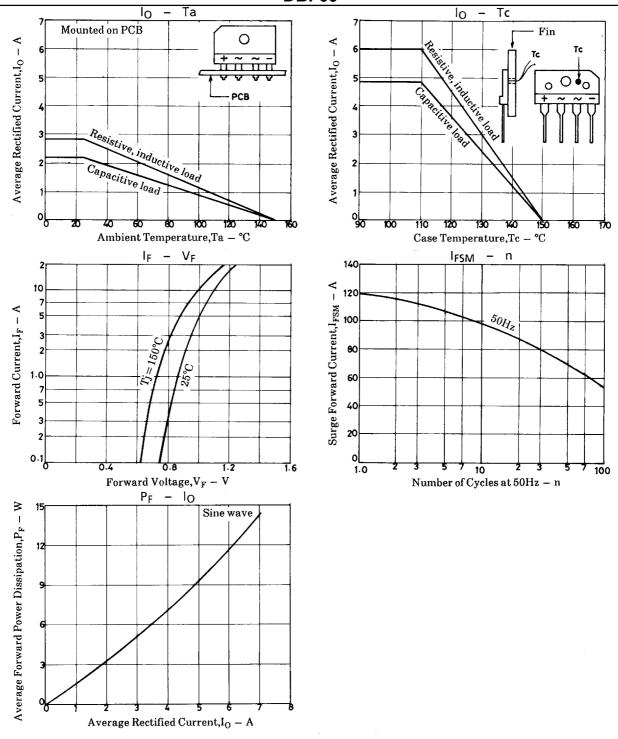
Electrical Characteristics at Ta = 25°C, per constituent element of bridge.

Parameter	Symbol	Conditions	Ratings			Unit
	Symbol		min	typ	max	Offic
Forward Voltage	V _F	I _F =2.5A			1.05	V
Reverse Current	IR	V _R :At each V _{RM}			10	μΑ
Thermal Resistance (Junction-Ambient)	Rth(j-a)	Without fin			26	°C/W
Thermal Resistance (Junction-Case)	Rth(j-c)	With Al fin			3.4	°C/W

Electrical Connection



DBF60



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