# DBF40G

## 4.0A Single-Phase Bridge Rectifier



#### Features

- Glass passivation for high reliability
- · Plastic molded structure
- Peak reverse voltage : VRM=600V
- Average output current : IO=4.0A

#### **Specifications**

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

Parameter	Symbol	Conditions	Value	Unit
Peak Reverse Voltage	VRM		600	V
Average Output Current	IO	Tc=108°C,with 80×80×1.5mm <sup>3</sup> Al fin	4.0	А
		Ta=25°C,without fin	2.3	А
Surge Forward Current	IFSM	50Hz sine wave, 1cycle	80	А
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-40 to +150	°C

Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

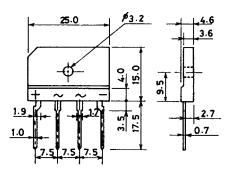
#### Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Value			Unit
			min	typ	max	
Forward Voltage	VF	IF=2.0A			1.05	V
Reverse Current	IR	V <sub>R</sub> =V <sub>RM</sub>			10	μΑ
Thremal Resistance(Junction-Ambient)	Rth(j-a)	Without fin			30	°C / W
Thremal Resistance(Junction-Case)	Rth(j-c)	With AI fin			5.5	°C / W

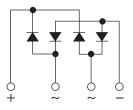
Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

#### **Package Dimensions**

unit:mm(typ.)

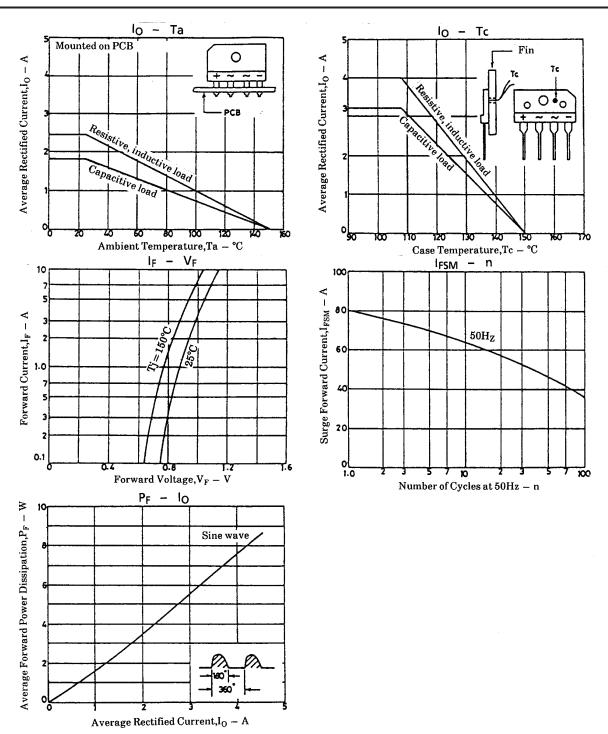


#### **Electrical Connection**



#### **Ordering Information**

Device	Shipping	memo
DBF40G	250 pcs./box	Pb-Free



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