DBA100G

10.0A Single-Phase Bridge Rectifier



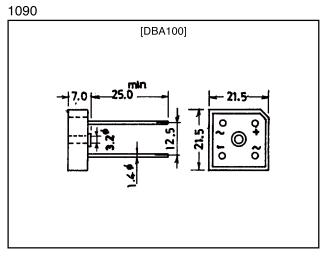
http://onsemi.com

Features

- \cdot Plastic molded structure.
- \cdot Glass passivation for high reliability.
- \cdot Peak reverse voltage:V_{RM}=200, 600V.
- · Average rectified current: $I_O = 10.0 A$.

Package Dimensions

unit:mm



Specifications

Absolute Maximum Ratings at Ta = $25^{\circ}C$

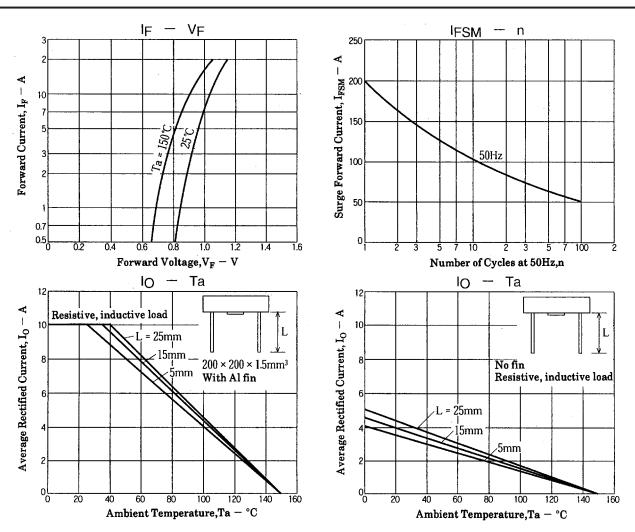
Parameter	Symbol	Conditions	DBA100C	DBA100G	Unit
Peak Reverse Voltage	V _{RM}		200	600	V
Average Recitified Current	lo	Ta=40°C	\rightarrow	3.7	А
		Ta=40°C, with 200×200×1.5mm ³ AI fin	\rightarrow	10.0	А
Surge Forward Current	IFSM		\rightarrow	200	А
Junction Temperature	Tj		\rightarrow	150	°C
Storage Temperature	Tstg		\rightarrow	-30 to +150	°C

Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.

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

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	٧ _F	I _F =5.0A			1.05	V
Reverse Current	I _R	V _R :At each V _{RM}			10	μA

Note:Mounting torque:0.49N·m max.



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