Ordering number:EN651D

Discontinued

DBA100

Diffused Junction Silicon Diode

10.0A Single-Phase Bridge Rectifier

Features

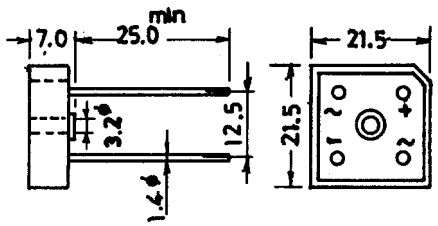
- Plastic molded structure.
- Glass passivation for high reliability.
- Peak reverse voltage:V_{RM}=200, 600V.
- Average rectified current:I_O=10.0A.

Package Dimensions

unit:mm

1090

[DBA100]



Specifications

Absolute Maximum Ratings at Ta = 25˚C

Parameter	Symbol	Conditions	DBA100C	~~DBA100G~~	Unit
Peak Reverse Voltage	V_{RM}		200	600	V
Average Recitified Current	I_O	Ta=40˚C	→	3.7	A
		Ta=40˚C, with 200×200×1.5mm³ Al fin	→	10.0	A
Surge Forward Current	I_{FSM}		→	200	A
Junction Temperature	Tj		→	150	˚C
Storage Temperature	Tstg		→	–30 to +150	˚C

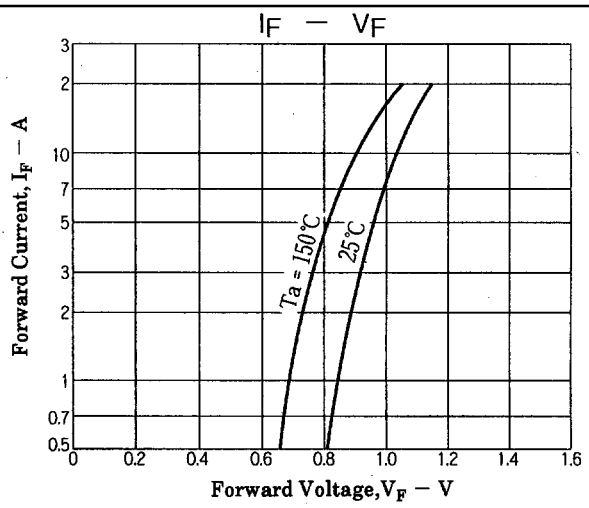
Electrical Characteristics at Ta = 25˚C, per constituent element of bridge

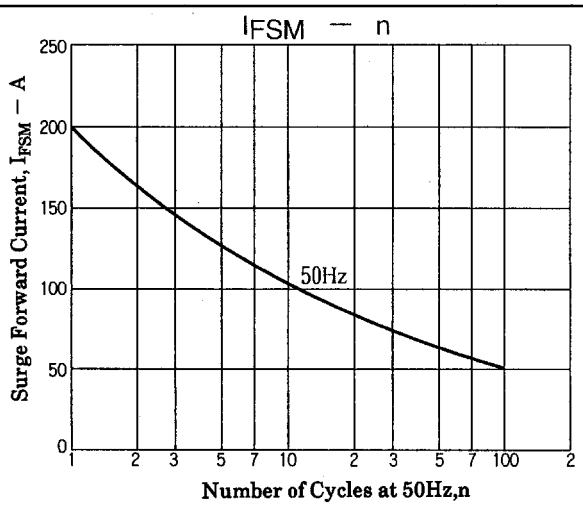
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	I_F=5.0A			1.05	V
Reverse Current	I_R	V_R:At each V_{RM}			10	μA

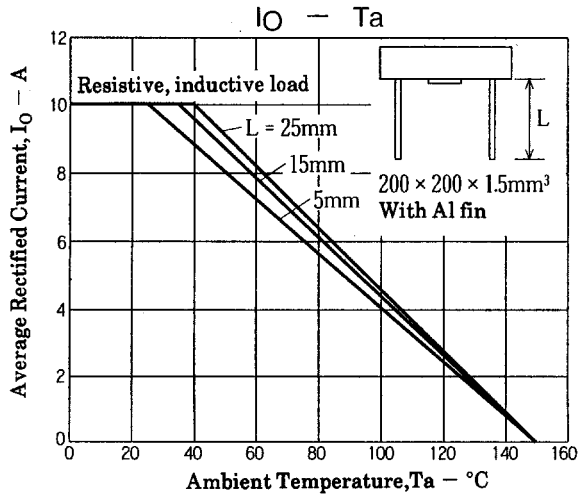
Note:Mounting torque:0.49N·m max.

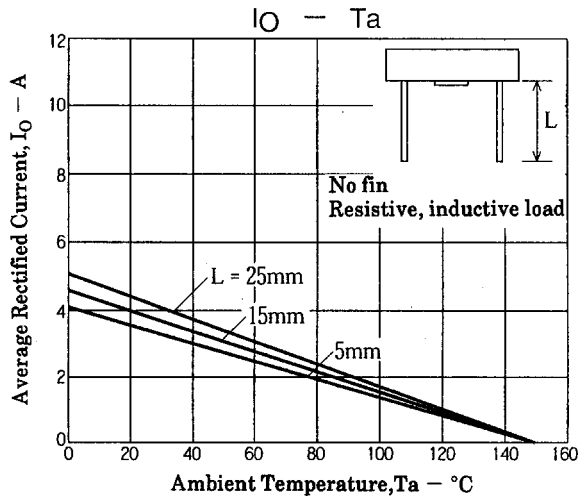
SANYO Electric Co.,Ltd. Semiconductor Bussiness Headquaters

TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN









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