Ordering number:EN649C

DBA40

Diffused Junction Silicon Diode

4.0A Single-Phase Bridge Rectifier

Features

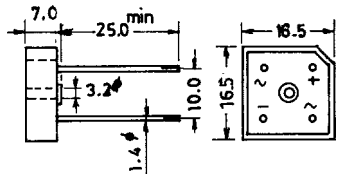
- Plastic molded structure.
- Glass passivation for high reliability.
- Peak reverse voltage:V_{RM}=100 to 400V.
- Average rectified current:I_O=4.0A.

Package Dimensions

unit:mm

1089

[DBA40]



Specifications

Absolute Maximum Ratings at Ta = 25˚C

Parameter	Symbol	Conditions	DBA40B	DBA40C	DBA40E	Unit
Peak Reverse Voltage	V_{RM}		100	200	400	V
Average Recitified Current	I_O	Ta=40˚C	→	→	2.6	A
		Ta=40˚C, mounted on 60×60×1.5mm^3 Al fin	→	→	4.0	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1cycle	→	→	80	A
Junction Temperature	Tj		→	→	150	˚C
Storage Temperature	Tstg		→	→	–30 to +150	˚C

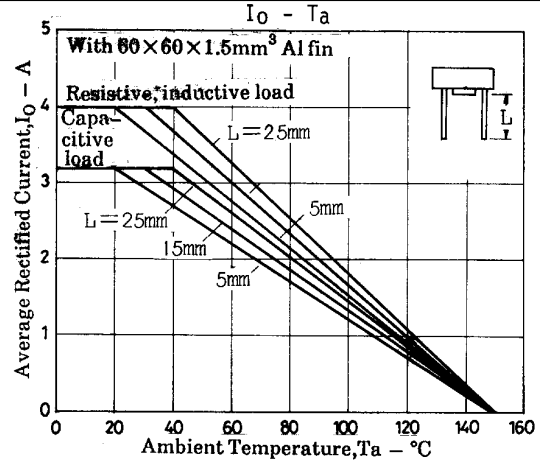
Electrical Characteristics at Ta = 25˚C, per constituent element of bridge

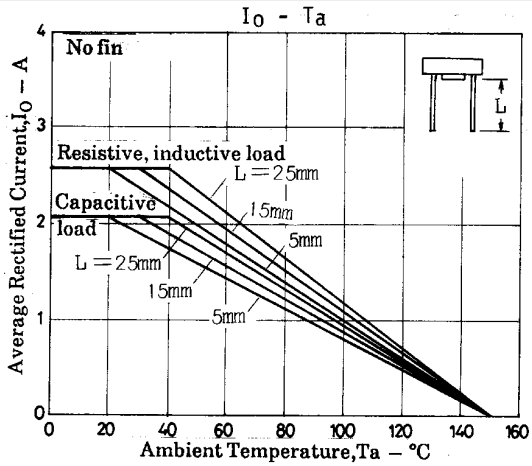
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	I_F=2.0A			1.05	V
Reverse Current	I_R	V_R:At each V_{RM}			10	μA

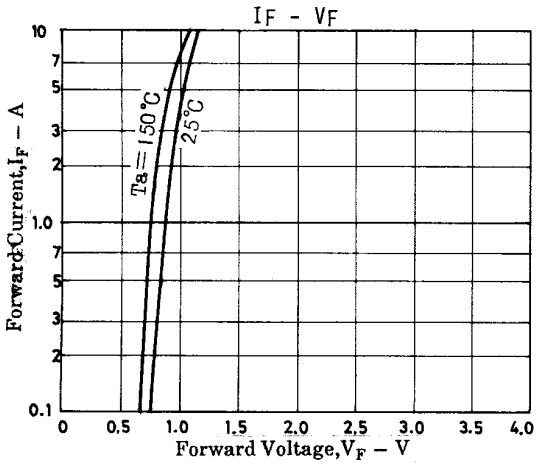
Note:Mounted torque:0.49N·m max.

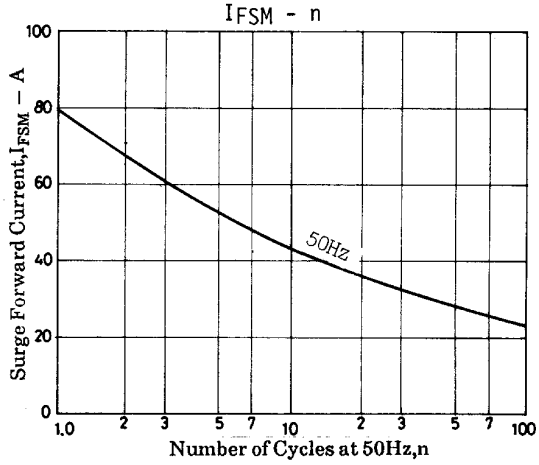
SANYO Electric Co.,Ltd. Semiconductor Bussiness Headquaters

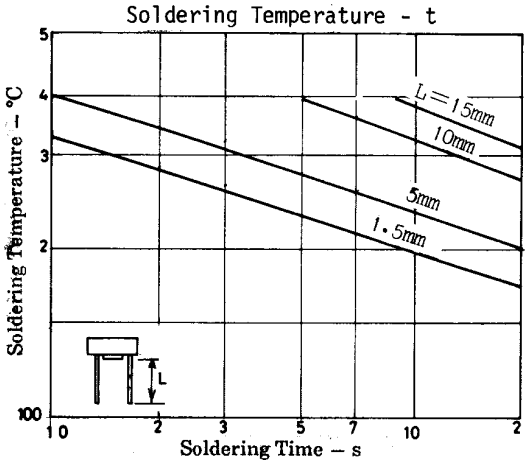
TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN











■ No products described or contained herein are intended for use in surgical implants, life-support systems, aerospace equipment, nuclear power control systems, vehicles, disaster/crime-prevention equipment and the like, the failure of which may directly or indirectly cause injury, death or property loss.

■ Anyone purchasing any products described or contained herein for an above-mentioned use shall:
① Accept full responsibility and indemnify and defend SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors and all their officers and employees, jointly and severally, against any and all claims and litigation and all damages, cost and expenses associated with such use:
② Not impose any responsibilty for any fault or negligence which may be cited in any such claim or litigation on SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors or any of their officers and employees jointly or severally.

■ Information (including circuit diagrams and circuit parameters) herein is for example only; it is not guaranteed for volume production. SANYO believes information herein is accurate and reliable, but no guarantees are made or implied regarding its use or any infringements of intellectual property rights or other rights of third parties.

This catalog provides information as of May, 1998. Specifications and information herein are subject to change without notice.