

SANYO

No. 3403

DBF40T

Silicon Diffused Junction Type

4.0A Single-Phase Bridge Rectifier**Application**

- For primary rectification as switching regulator.

Features

- High reliability attained by glass passivation.
- High surge.
- Plastic molded structure.
- Peak reverse voltage : $V_{RM} = 200$ to $600V$.
- Average rectified current : $I_o = 4.0A$.

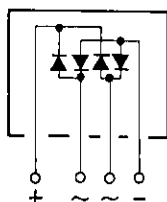
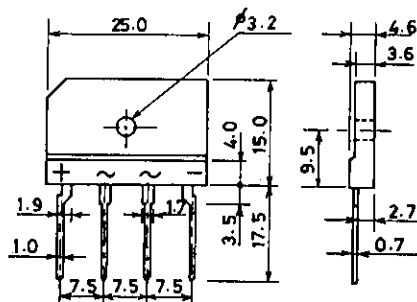
Absolute Maximum Ratings at $T_a = 25^\circ C$

			DBF40TC	DBF40TE	DBF40TG	unit
Peak Reverse Voltage	V_{RM}		200	400	600	V
Average Rectified Current	I_o	$T_c = 108^\circ C$, with $80 \times 80 \times 1.5 \text{ tmm}^3$ Al fin $T_a = 25^\circ C$, without fin	→	→	4.0	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1 cycle	→	→	2.3	A
Junction Temperature	T_j		→	→	120	A
Storage Temperature	T_{stg}		→	→	150	$^\circ C$
					-40 to +150	$^\circ C$

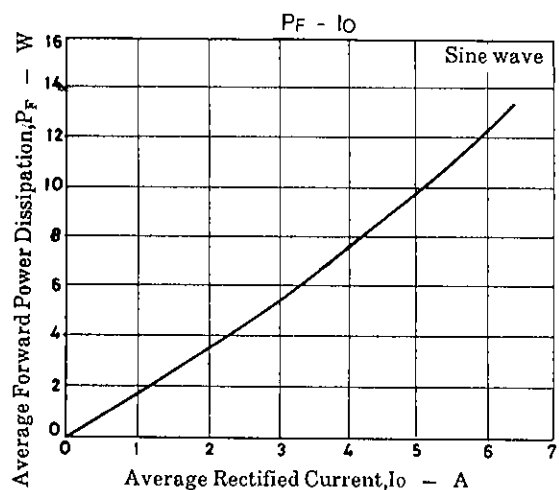
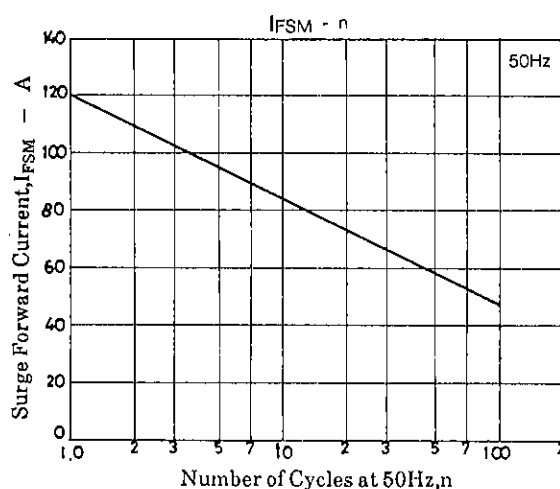
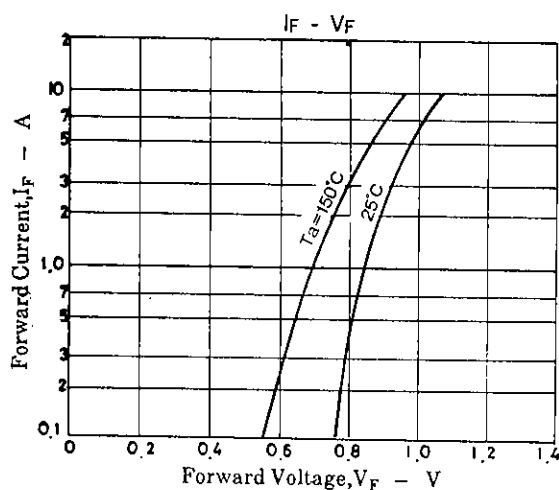
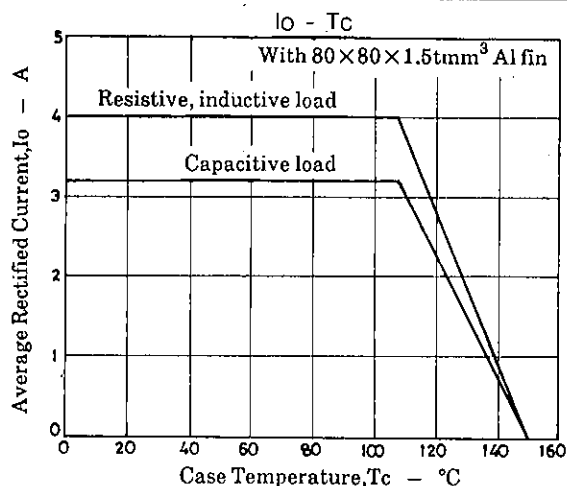
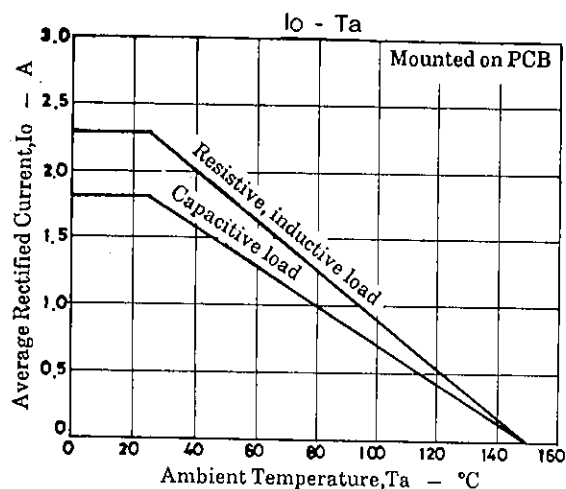
Electrical Characteristics at $T_a = 25^\circ C$, per constituent element of bridge

			min	typ	max	unit
Forward Voltage	V_F	$I_F = 2.0A$			1.05	V
Reverse Current	I_R	V_R : At each V_{RM}			10	μA
Thermal Resistance (Junction-Ambient)	$R_{th(j-a)}$	Without fin			30	$^\circ C/W$
Thermal Resistance (Junction-Case)	$R_{th(j-c)}$	With Al fin			5.5	$^\circ C/W$

Note) Mounting torque : 5kg·cm max

Electrical Connection**Package Dimensions 1203
(unit: mm)**

DBF40T



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