

SANYO

No. 3402

DBF60T

Silicon Diffused Junction Type

6.0A 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 : $I_o = 6.0A$

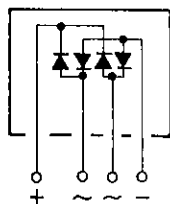
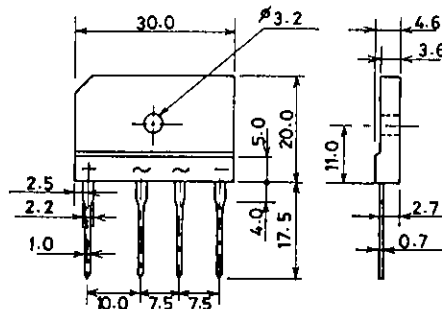
Absolute Maximum Ratings at $T_a = 25^\circ C$

			DBF60TC	DBF60TE	DBF60TG	unit
Peak Reverse Voltage	V_{RM}		-200	-400	-600	V
Average Rectified Current	I_o	$T_c = 110^\circ C$, with $125 \times 125 \times 1.5mm^3$ Al fin $T_a = 25^\circ C$, without fin	→	→	6.0	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1 cycle	→	→	2.8	A
Junction Temperature	T_j		→	→	170	A
Storage Temperature	T_{stg}		→	→	150	$^\circ C$
					-40 to +150	$^\circ C$

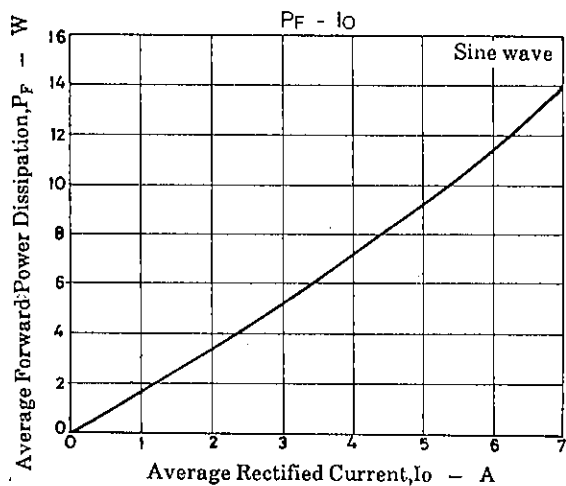
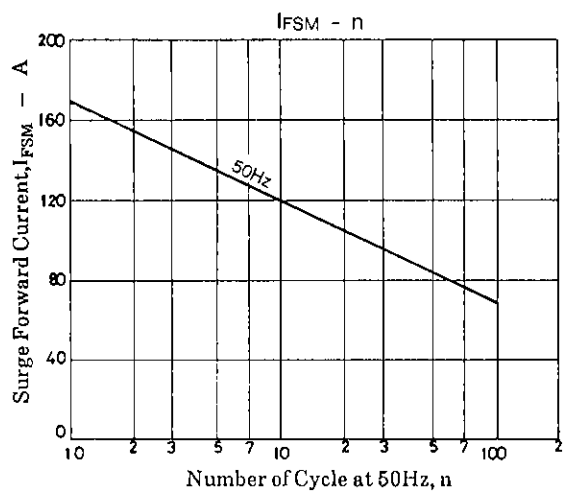
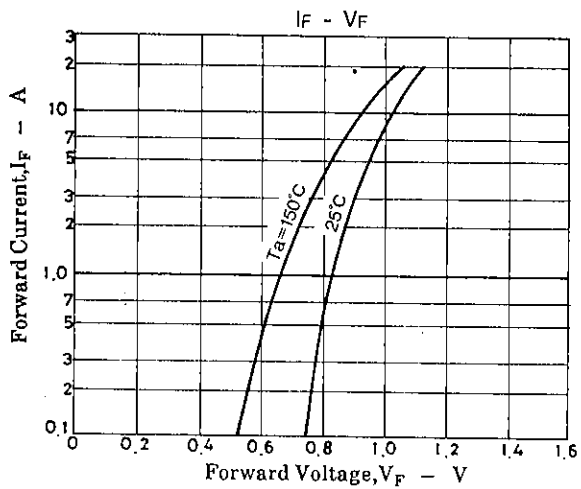
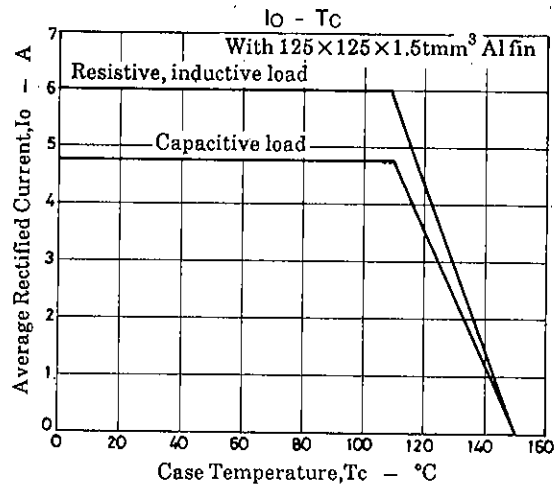
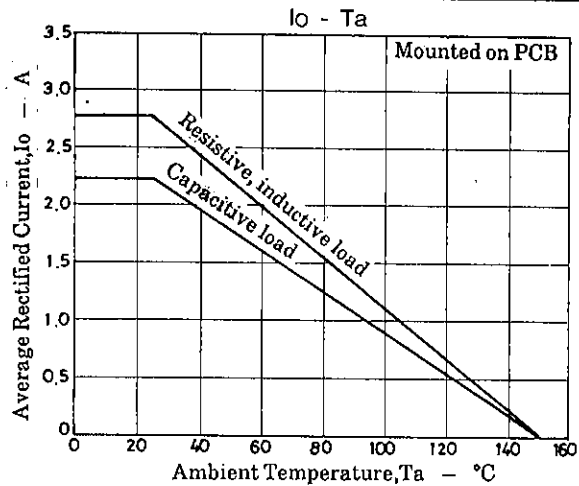
Electrical Characteristics at $T_a = 25^\circ C$, per constituent element of bridge

			min	typ	max	unit
Forward Voltage	V_F	$I_F = 2.5A$			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			26	$^\circ C/W$
Thermal Resistance (Junction-Case)	$R_{th(j-c)}$	With Al fin			3.4	$^\circ C/W$

Note) Mounting torque : 5kg-cm max

Electrical Connection**Package Dimensions 1191**
(unit: mm)

DBF60T



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