

**SANYO**

No.649C

**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 :  $I_O = 4.0A$

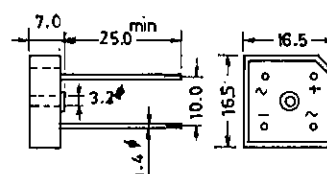
**Absolute Maximum Ratings at  $T_a = 25^\circ C$** 

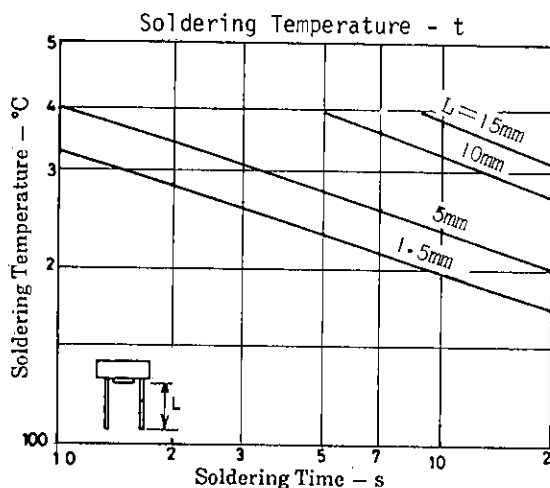
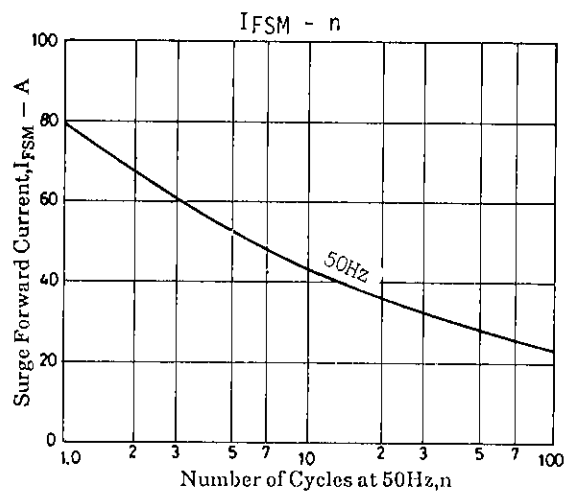
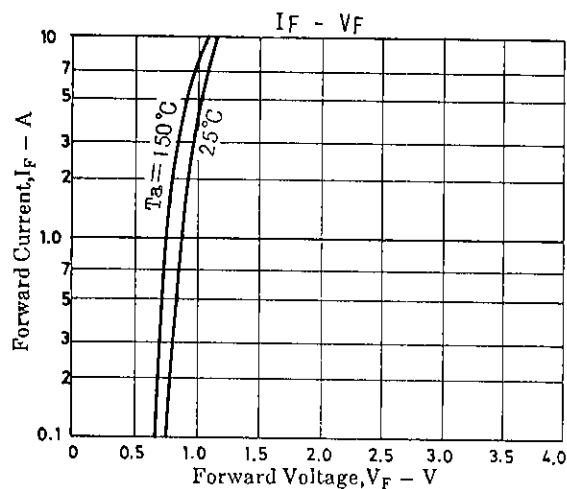
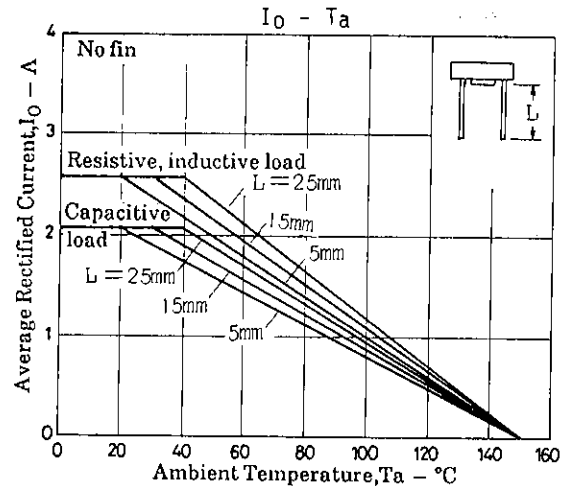
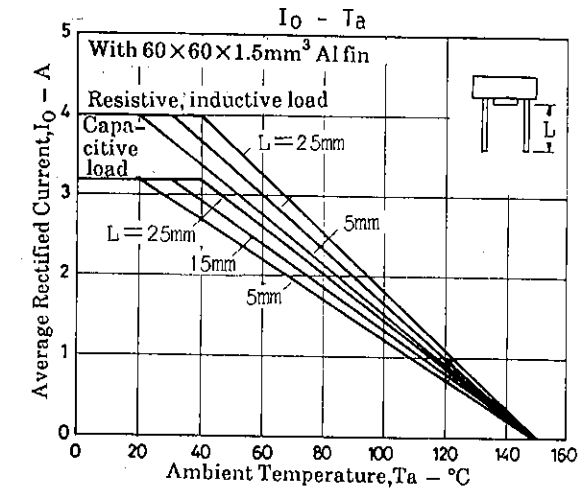
			DBA40B	DBA40C	DBA40E	unit
Peak Reverse Voltage	$V_{RM}$		-100	-200	-400	V
Average Rectified Current	$I_O$	$T_a = 40^\circ C$	→	→	2.6	A
		$T_a = 40^\circ C$ , mounted on $60 \times 60 \times 1.5mm^3$ Al fin	→	→	4.0	A
Surge Forward Current	$I_{FSM}$	50Hz sine wave, 1 cycle	→	→	80	A
Junction Temperature	$T_j$		→	→	150	$^\circ C$
Storage Temperature	$T_{stg}$		→	-30 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	$\mu A$

Note 2 : Mounted torque : 5kg·cm max

**Package Dimensions 1089**  
(unit: mm)



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