



## 4.0A Single-Phase Bridge Rectifier

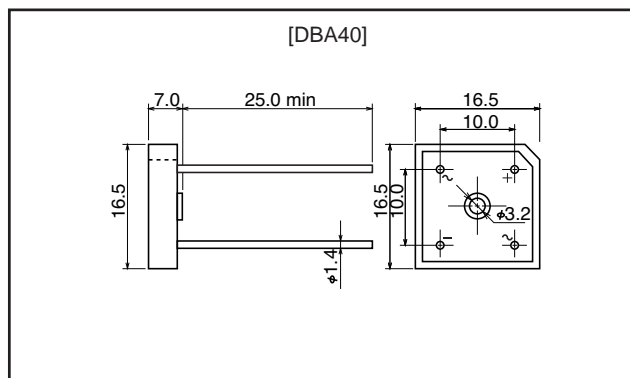
### Features

- Plastic molded structure.
- Glass passivation for high reliability.
- Peak reverse voltage :  $V_{RM}=200, 600V$ .
- Average rectified current :  $I_O=4.0A$ .

### Package Dimensions

unit : mm

1089



### Specifications

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

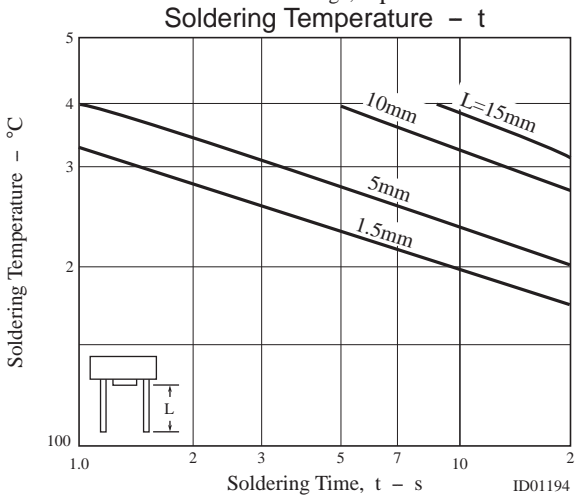
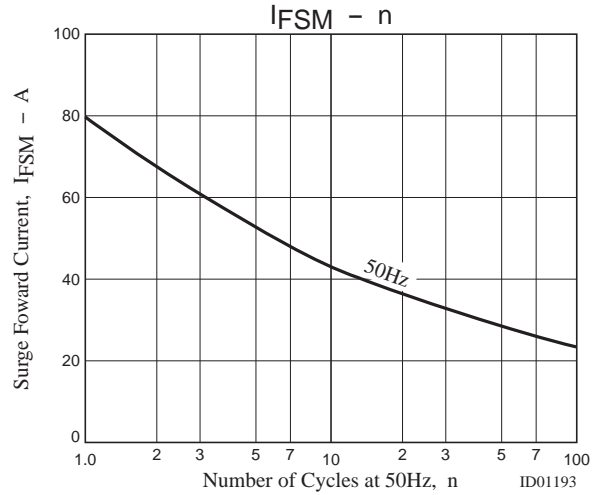
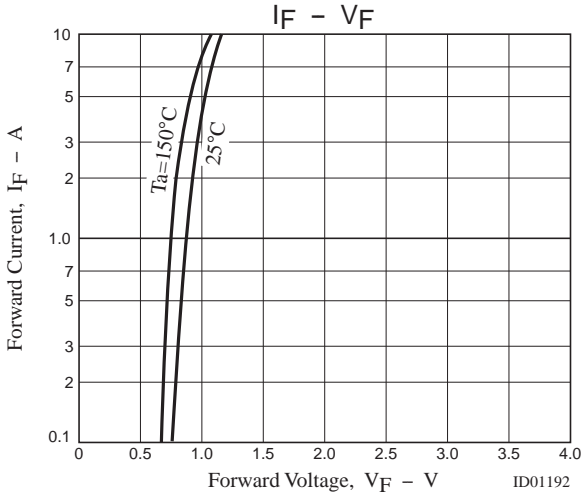
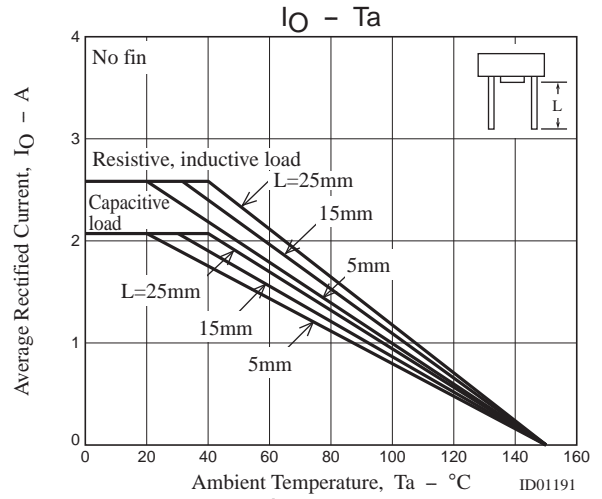
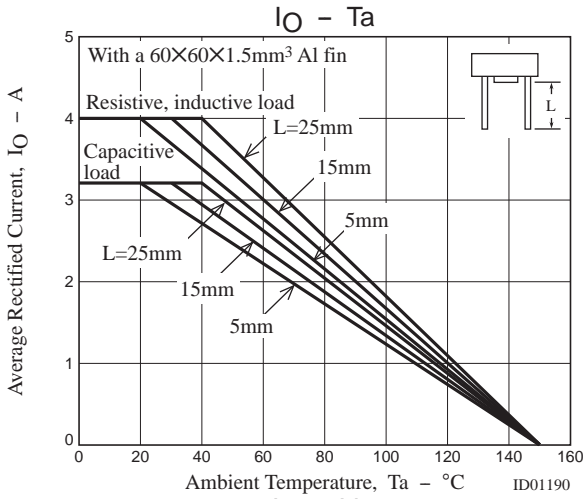
Parameter	Symbol	Conditions	<del>DBA40C</del>	DBA40G	Unit
Peak Reverse Voltage	$V_{RM}$		200	600	V
Average Rectified Current	$I_O$	$T_a=40^\circ C$	→	2.6	A
		$T_a=40^\circ C$ , mounted on a $60 \times 60 \times 1.5 \text{ mm}^3$ Al fin	→	4.0	A
Surge Forward Current	$I_{FSM}$	50Hz sine wave, 1 cycle	→	80	A
Junction Temperature	$T_j$		→	150	$^\circ C$
Storage Temperature	$T_{stg}$		→	-30 to +150	$^\circ C$

#### Electrical Characteristics at $T_a=25^\circ C$

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	$\mu A$

Note : Mounted torque : 0.49N·m max.

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