



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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15.0A Single-Phase Bridge Rectifier

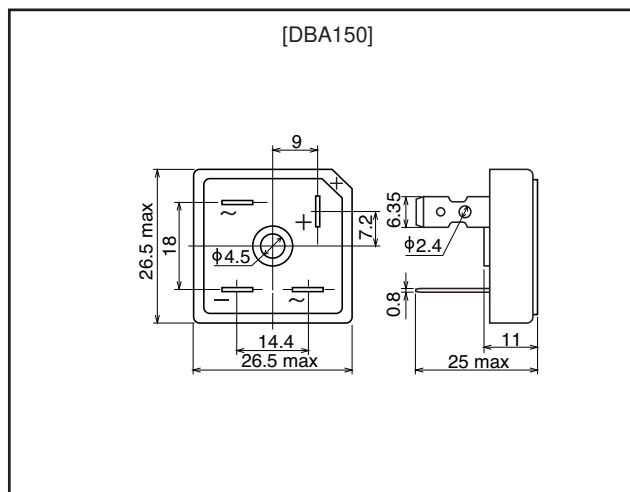
Features

- Plastic molded structure.
- Glass passivation for high reliability.
- Peak reverse voltage : $V_{RM}=200, 600V$.
- Average rectified current : $I_O=15A$.

Package Dimensions

unit : mm

1170



Specifications

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

Parameter	Symbol	Conditions	DBA150C	DBA150G	Unit
Peak Reverse Voltage	V_{RM}		200	600	V
Average Rectified Current	I_O	$T_a=40^\circ C$	→	4.5	A
		$T_a=40^\circ C$, with a $270 \times 270 \times 3.0 \text{ mm}^3$ Cu fin	→	15.0	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1 cycle	→	200	A
Junction Temperature	T_j		→	150	$^\circ C$
Storage Temperature	T_{stg}		→	-40 to +150	$^\circ C$
Insulation Voltage	V_{IS}		→	2	kV

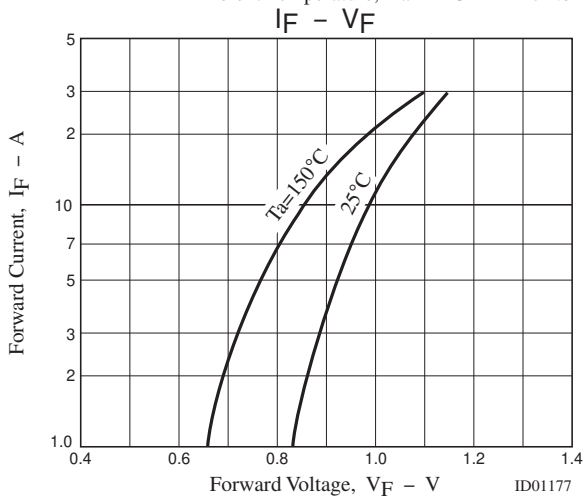
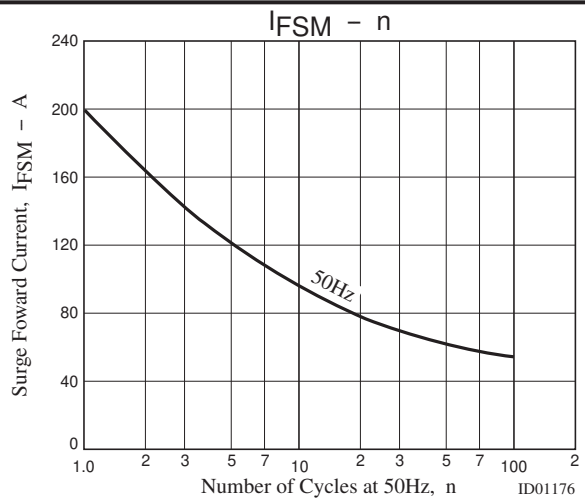
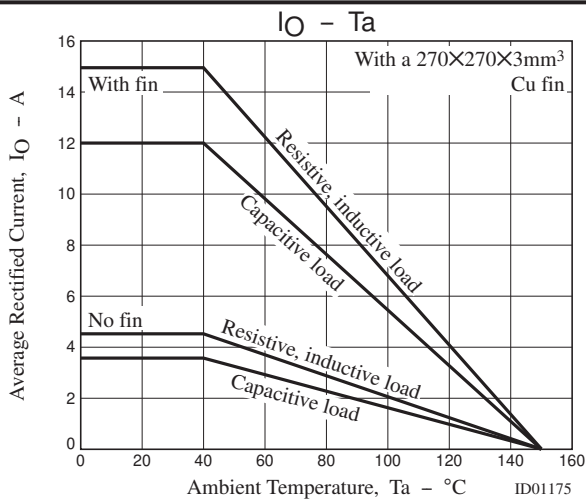
Electrical Characteristics at $T_a=25^\circ C$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=7.5A^*$			1.05	V
Reverse Current	I_R	V_R : At each V_{RM}^*			10	μA
Thermal Resistance	$R_{th(j-c)}$	Junction-Case			2.3	$^\circ C/W$

Note : Tightening torque : 0.98N·m max.

Note* : Per constituent element of bridge.

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