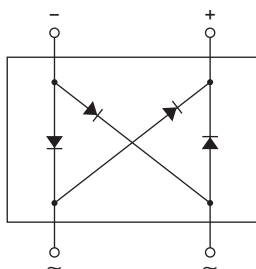


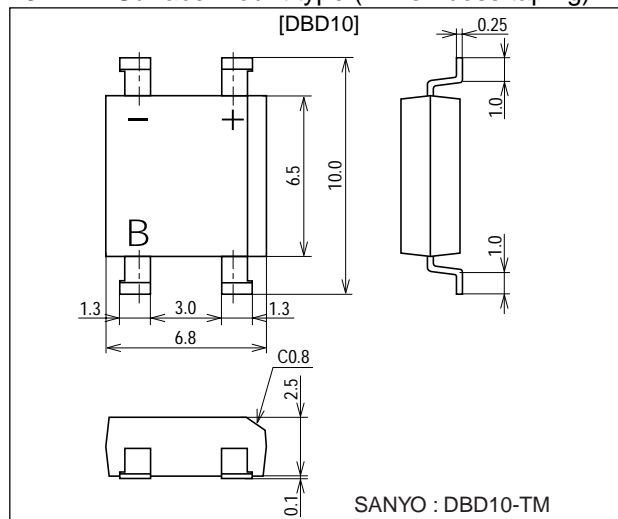
**SANYO****DBD10****1.0A Single-Phase Bridge Rectifier****Features**

- Plastic molded structure.
- Peak reverse voltage :  $V_{RM}=200V, 600V$ .
- Average rectified current :  $I_O=1.0A$ .

**Electrical Connection****Package Dimensions**

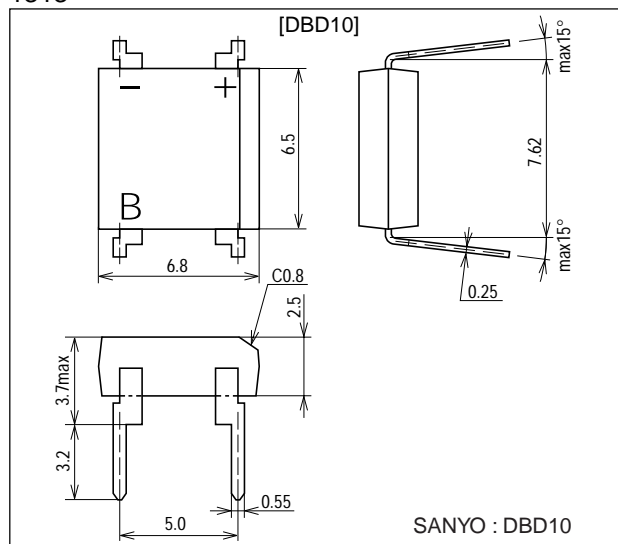
unit : mm

1314 Surface mount type (TM emboss taping)

**Package Dimensions**

unit : mm

1313



■ Any and all SANYO products described or contained herein do not have specifications that can handle applications that require extremely high levels of reliability, such as life-support systems, aircraft's control systems, or other applications whose failure can be reasonably expected to result in serious physical and/or material damage. Consult with your SANYO representative nearest you before using any SANYO products described or contained herein in such applications.

■ SANYO assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all SANYO products described or contained herein.

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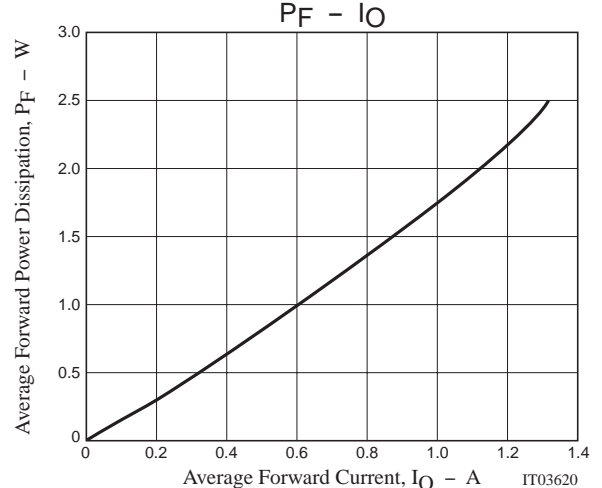
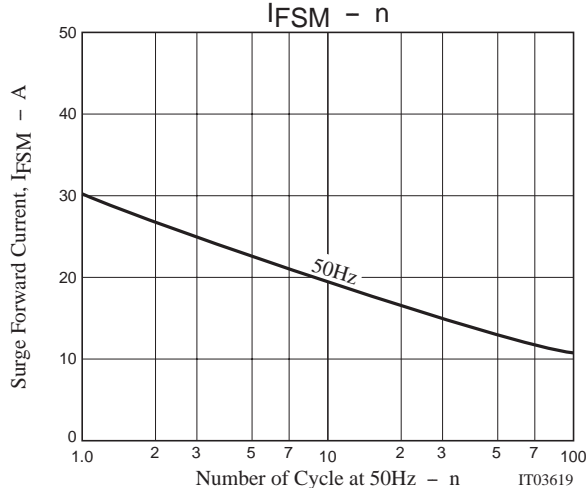
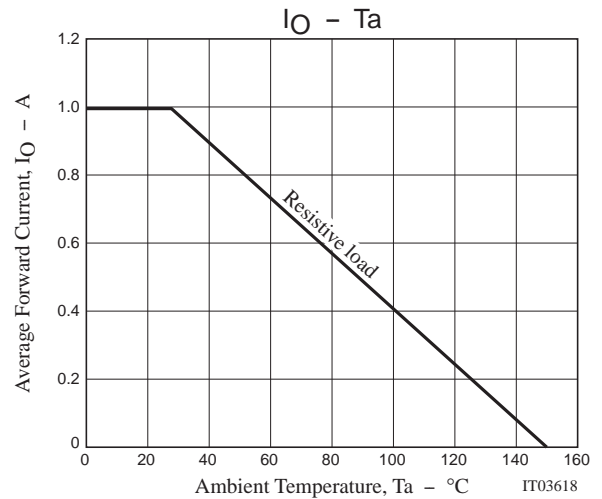
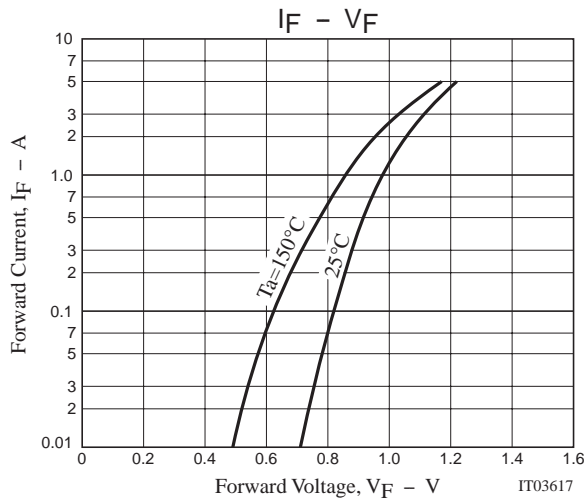
## Specifications

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

Parameter	Symbol	Conditions	Ratings		Unit
			DBD10C	DBD10G	
Peak Reverse Voltage	$V_{RM}$		200	600	V
Average Rectified Current	$I_O$	$T_a=25^{\circ}\text{C}$	→	1.0	A
Surge Forward Current	$I_{FSM}$	50Hz sine wave 1cycle	→	30	A
Junction Temperature	$T_J$		→	150	$^{\circ}\text{C}$
Storage Temperature	$T_{stg}$		→	-40 to +150	$^{\circ}\text{C}$

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

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	$V_F$	$I_F=0.5\text{A}$			1.05	V
Reverse Current	$I_R$	$V_R$ : At each $V_{RM}$			10	$\mu\text{A}$
Thermal Resistance	$R_{th(j-l)}$	Junction-Lead			15	$^{\circ}\text{C} / \text{W}$
Thermal Resistance	$R_{th(j-a)}$	Junction-Ambient			68	$^{\circ}\text{C} / \text{W}$



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