



# DSB15T

Diffused Junction Type Silicon Diode

## 1.5A Power Rectifier

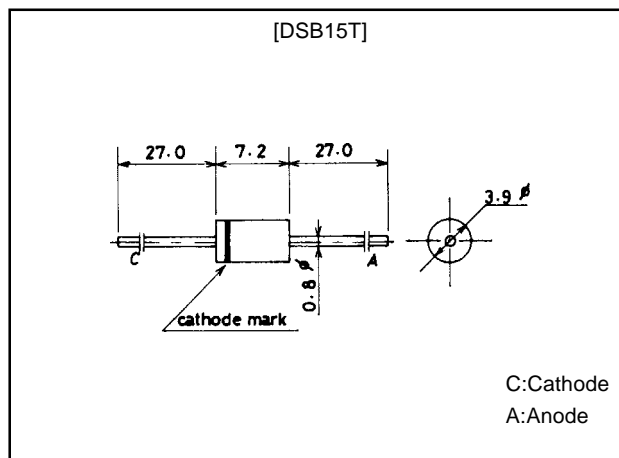
### Features

- Plastic molded structure.
- Peak reverse voltage :  $V_{RM}=100$  to  $1000V$ .
- Average rectified current :  $I_O=1.5A$ .

### Package Dimensions

unit:mm

1172



### Specifications

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

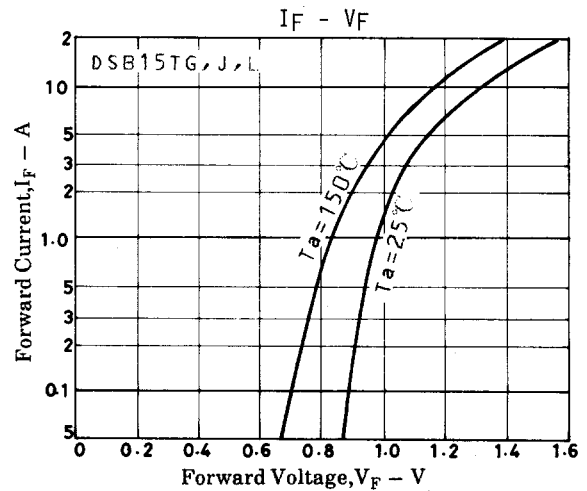
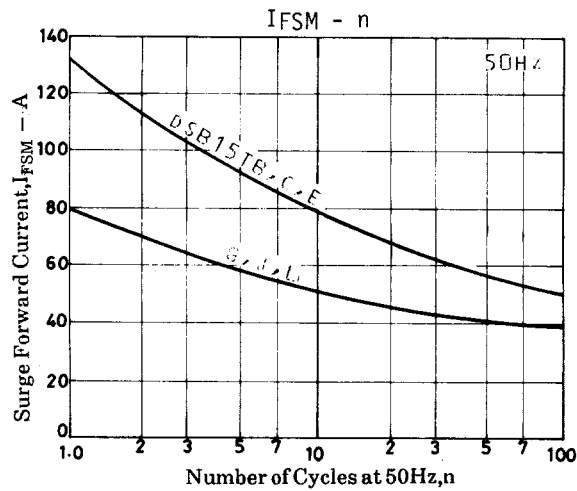
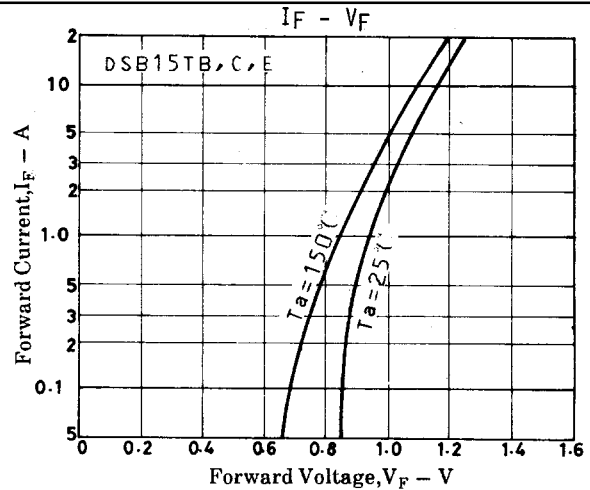
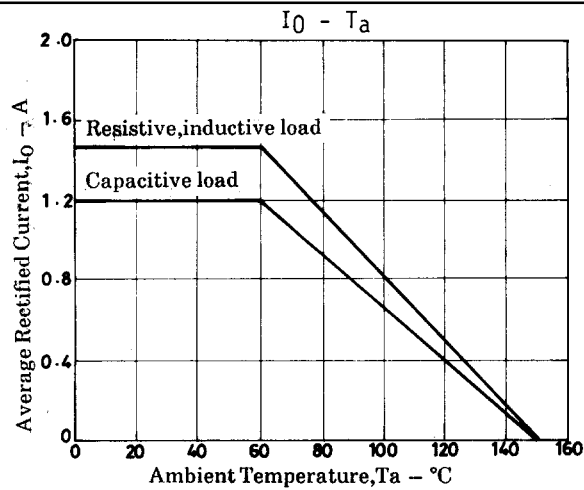
Parameter	Symbol	Conditions	DSB15TB	DSB15TC	DSB15TE	Unit
Peak Reverse Voltage	$V_{RM}$		100	200	400	V
Average Rectified Current	$I_O$	$T_a=60^\circ C$	→	→	1.5	A
Surge Forward Current	$I_{FSM}$	50Hz sine wave, 1 cycle	→	→	130	A
Junction Temperature	$T_j$		→	→	150	$^\circ C$
Storage Temperature	$T_{stg}$		→	→	-40 to +150	$^\circ C$

Parameter	Symbol	Conditions	DSB15TG	DSB15TJ	DSB15TL	Unit
Peak Reverse Voltage	$V_{RM}$		600	800	1000	V
Average Rectified Current	$I_O$	$T_a=60^\circ C$	→	→	1.5	A
Surge Forward Current	$I_{FSM}$	50Hz sine wave, 1 cycle	→	→	80	A
Junction Temperature	$T_j$		→	→	150	$^\circ C$
Storage Temperature	$T_{stg}$		→	→	-40 to +150	$^\circ C$

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

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	$V_F$	$I_F=1.5A$ (B, C, E)			0.95	V
		$I_F=1.5A$ (G, J, L)			1.0	V
Reverse Current	$I_R$	$V_R$ : At each $V_{RM}$			10	$\mu A$

## DSB15T



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