

# 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 :  $I_O = 1.5A$ .

### 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, 1cycle	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	$I_O$	$T_a = 25^\circ C$	1.5			A
Surge Forward Current	$I_{FSM}$	50Hz sine wave, 1cycle	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	$\mu A$

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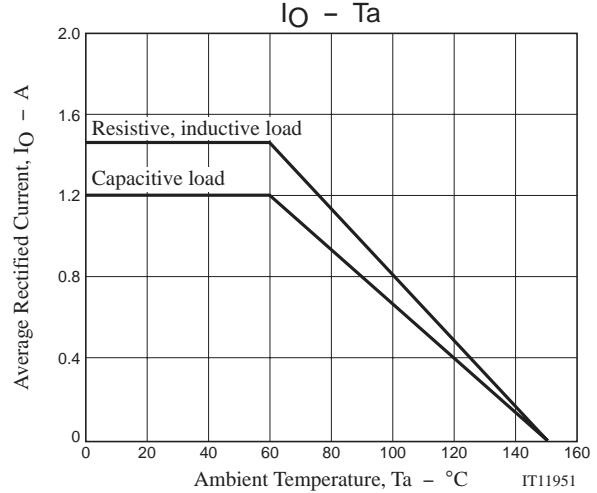
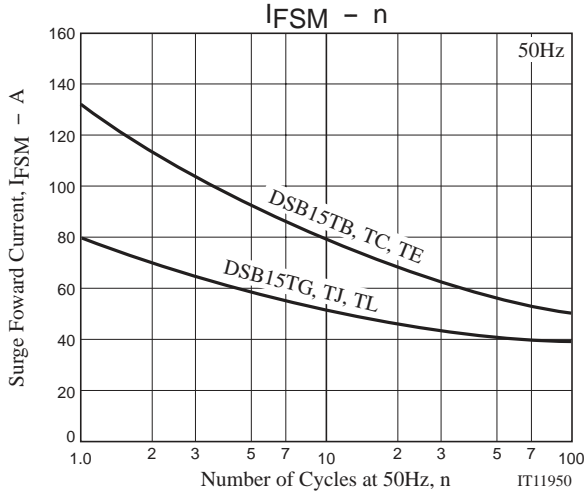
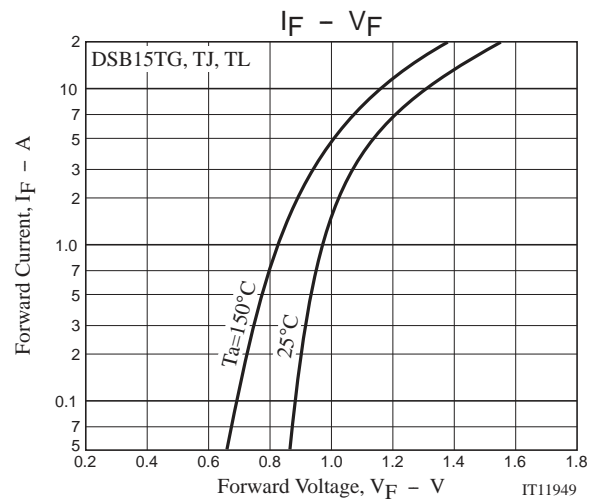
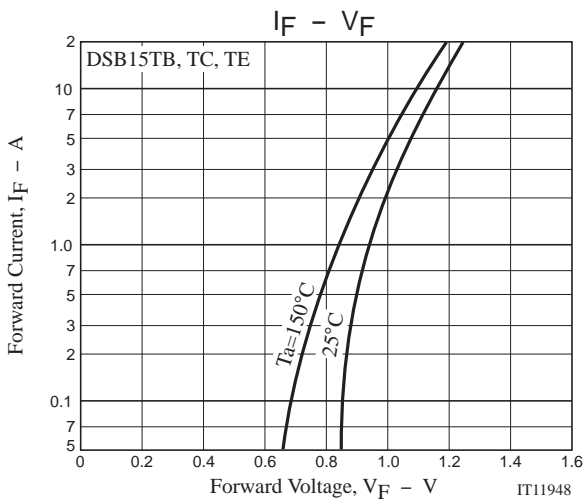
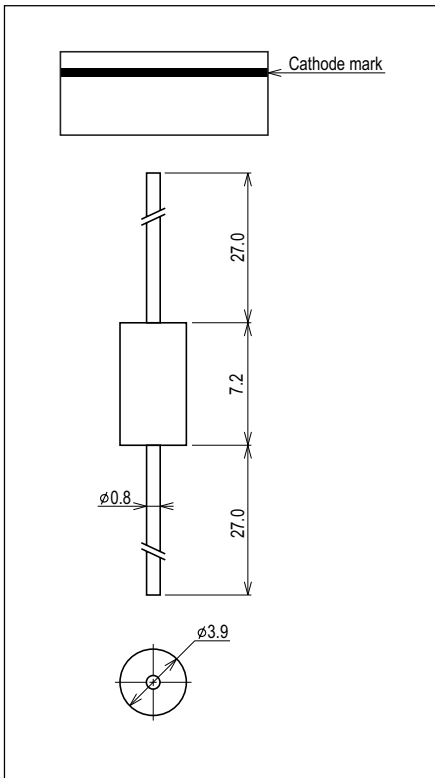
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# DSB15T

## Package Dimensions

unit : mm (typ)

7803-001



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