

**DSF10T**

Diffused Junction Type Silicon Diode

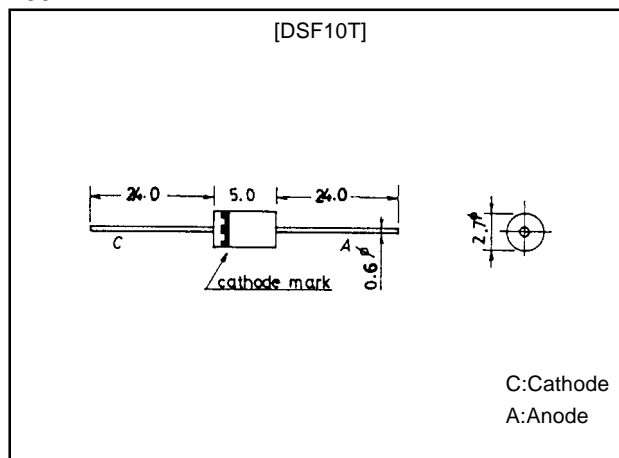
1.0A Power Rectifier**Features**

- Meets automatic mounting requirements.
- Plastic molded structure (small size).
- Peak reverse voltage : $V_{RM}=100$ to $1000V$.
- Average rectified current : $I_O=1.0A$.

Package Dimensions

unit:mm

1004A

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

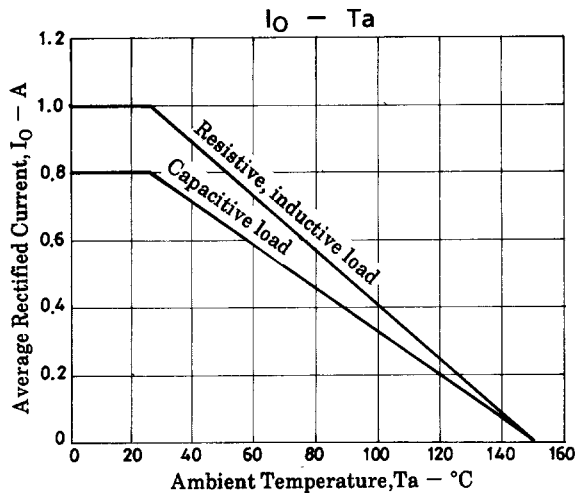
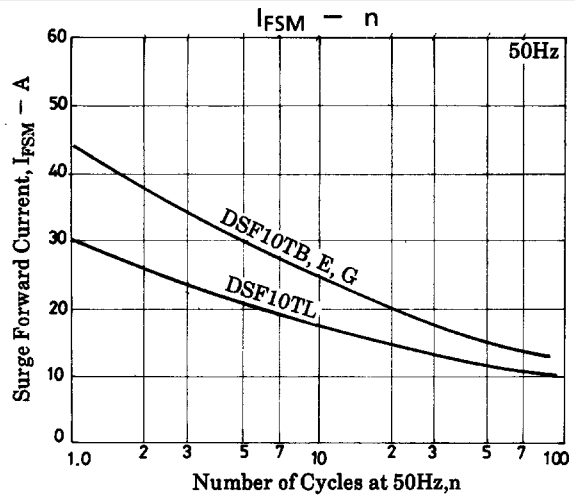
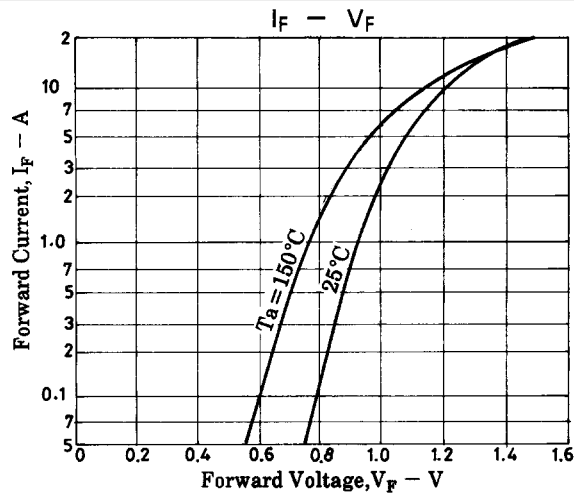
Parameter	Symbol	Conditions	DSF10TB	DSF10TE	DSF10TG	Unit
Peak Reverse Voltage	V_{RM}		100	400	600	V
Average Rectified Current	I_O	$T_a=25^\circ C$	→	→	1.0	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1 cycle	→	→	45	A
Junction Temperature	T_j		→	→	150	$^\circ C$
Storage Temperature	T_{stg}		→	→	-40 to +150	$^\circ C$

Parameter	Symbol	Conditions			DSF10TL	Unit
Peak Reverse Voltage	V_{RM}				1000	V
Average Rectified Current	I_O	$T_a=25^\circ C$			1.0	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1 cycle			30	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	$I_F=1.0A$			1.0	V
Reverse Current	I_R	V_R : At each V_{RM}			10	μA

DSF10T



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