

**DSA12T**

Diffused Junction Type Silicon Diode

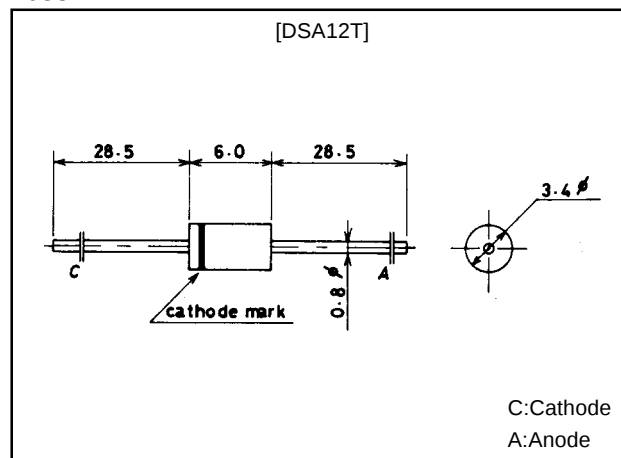
1.2A Power Rectifier**Features**

- Plastic molded structure.
- Peak Reverse Voltage : $V_{RM}=100$ to $1000V$
- Average rectified current : $I_O=1.2A$.

Package Dimensions

unit:mm

1083

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

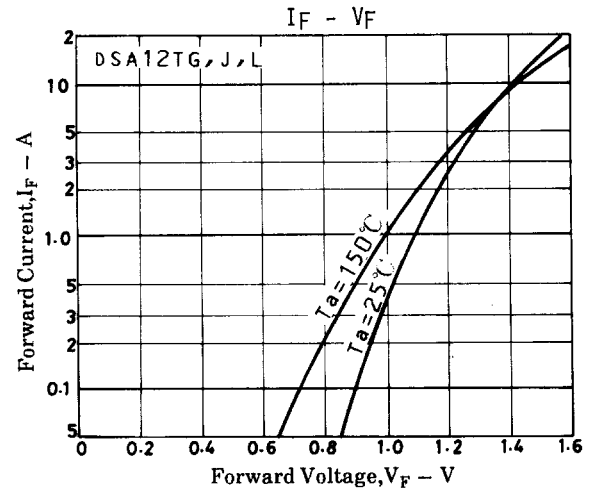
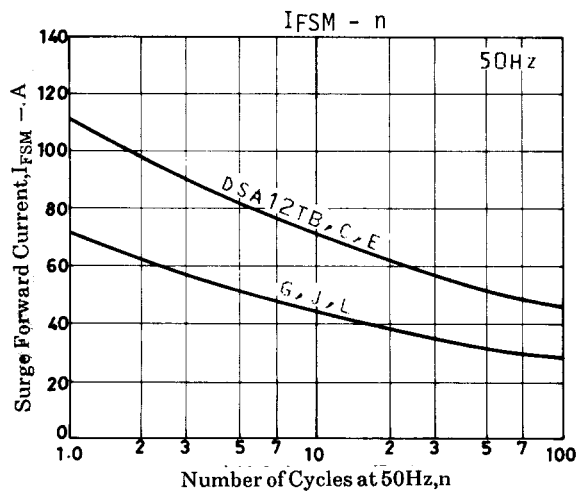
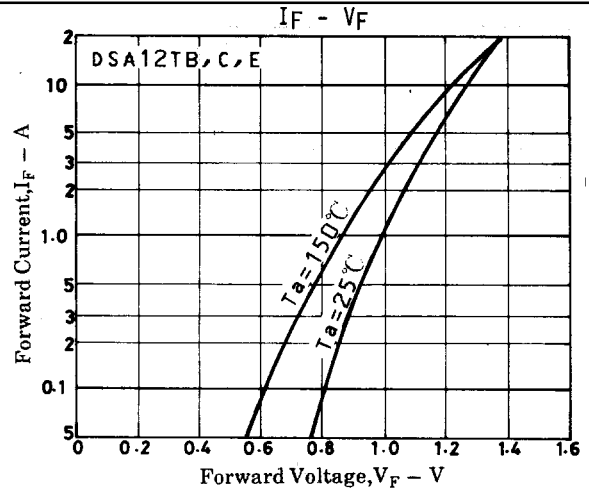
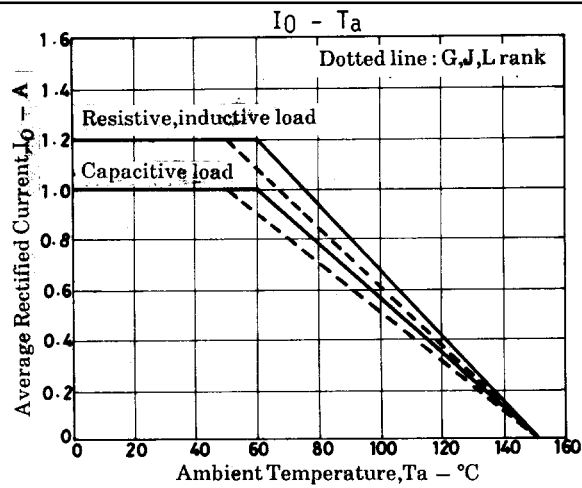
Parameter	Symbol	Conditions	DSA12TB	DSA12TC	DSA12TE	Unit
Peak Reverse Voltage	V_{RM}		100	200	400	V
Average Rectified Current	I_O	$T_a=60^\circ C$	→	→	1.2	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1 cycle	→	→	110	A
Junction Temperature	T_j		→	→	150	$^\circ C$
Storage Temperature	T_{stg}		→	→	-40 to +150	$^\circ C$

Parameter	Symbol	Conditions	DSA12TG	DSA12TJ	DSA12TL	Unit
Peak Reverse Voltage	V_{RM}		600	800	1000	V
Average Rectified Current	I_O	$T_a=50^\circ C$	→	→	1.2	A
Surge Forward Current	I_{FSM}	50Hz sine wave, 1 cycle	→	→	70	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	$I_F=1.2A(B, C, E)$			1.0	V
		$I_F=1.2A(G, J, L)$			1.1	V
Reverse Current	I_R	V_R :At each V_{RM}			10	μA

DSA12T



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