

SANYO

No.2407

DSC30TDiffused Junction Type Silicon Diode
3.0A POWER RECTIFIER**Features**

- Peak reverse voltage $V_{RM} = -100$ to $-1000V$
- Average rectified current $I_o = 3.0A$

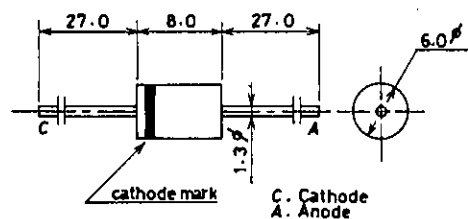
Absolute Maximum Ratings at $T_a = 25^\circ C$

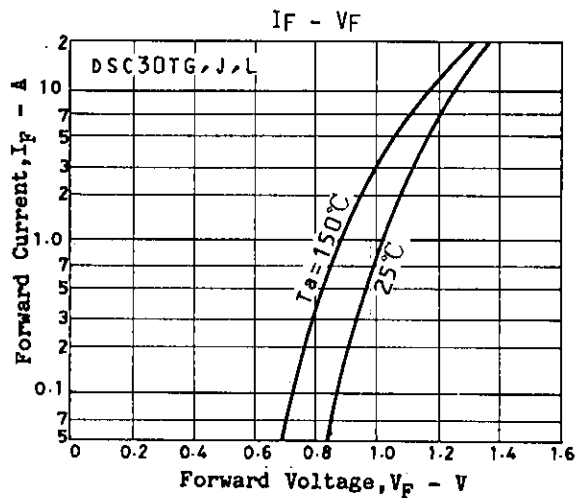
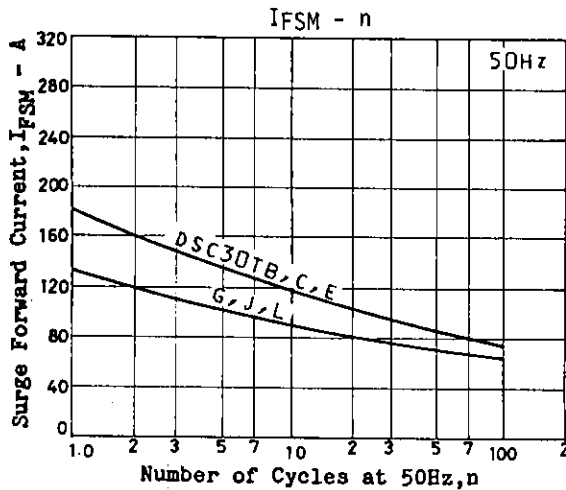
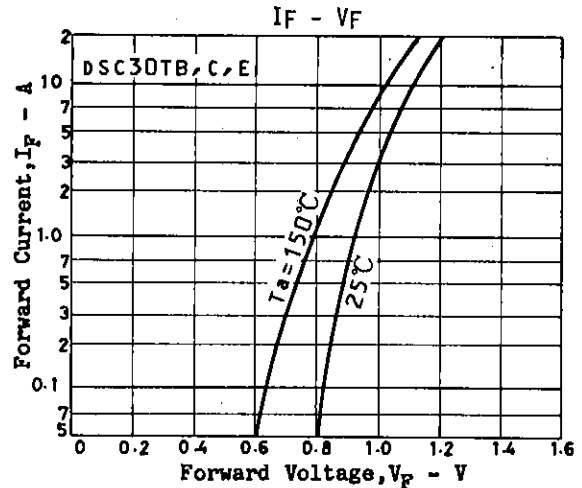
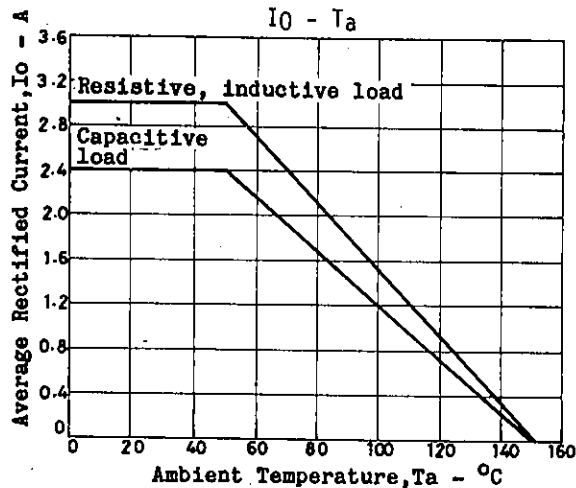
		DSC30TB	DSC30TC	DSC30TE	unit
Peak Reverse Voltage	V_{RM}	-100	-200	-400	V
Average Rectified Current	I_o $T_a = 50^\circ C$	→	→	3.0	A
Surge Forward Current	I_{FSM} 50Hz sine wave, 1 cycle	→	→	180	A
Junction Temperature	T_j	→	→	150	$^\circ C$
Storage Temperature	T_{stg}		-40 to +150		$^\circ C$

		DSC30TG	DSC30TJ	DSC30TL	unit
Peak Reverse Voltage	V_{RM}	-600	-800	-1000	V
Average Rectified Current	I_o $T_a = 50^\circ C$	→	→	3.0	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		$^\circ C$

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

			min	typ	max	unit
Forward Voltage	V_F $I_F = 3.0A(B, C, E)$				1.0	V
	$I_F = 3.0A(G, J, L)$				1.1	V
Reverse Current	I_R V_R : At each V_{RM}				-10	μA

Package Dimensions 1176
(unit: mm)



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