



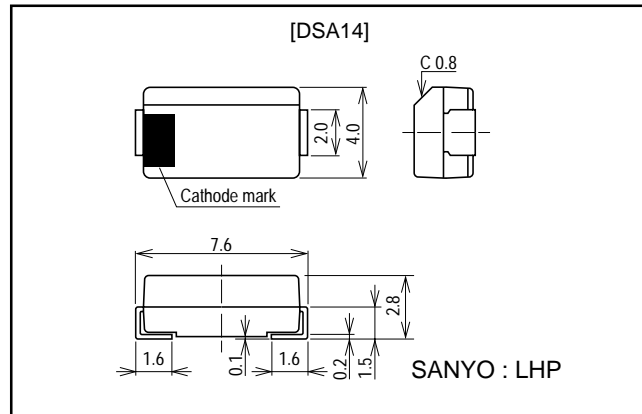
## Power Rectifier

## Features

- Facilitates automatic mounting and miniaturization in end products.
- Peak reverse voltage :  $V_{RM}=200, 600V$ .
- Average rectified current :  $I_O=1.4A$ .

## Package Dimensions

unit : mm  
1301



## Specifications

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

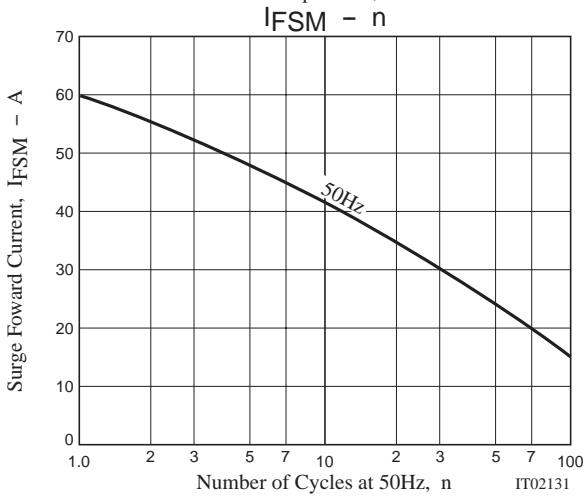
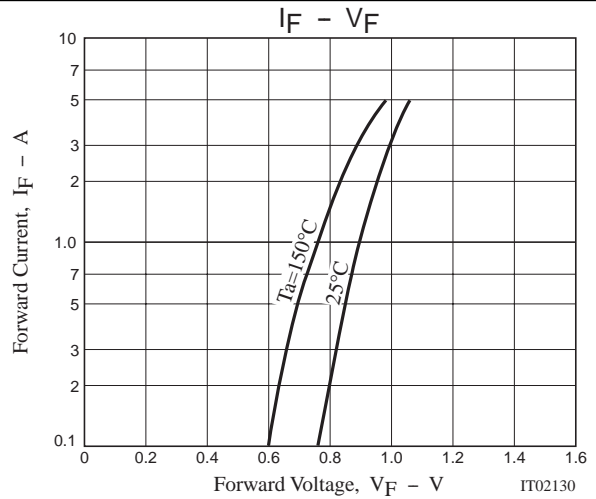
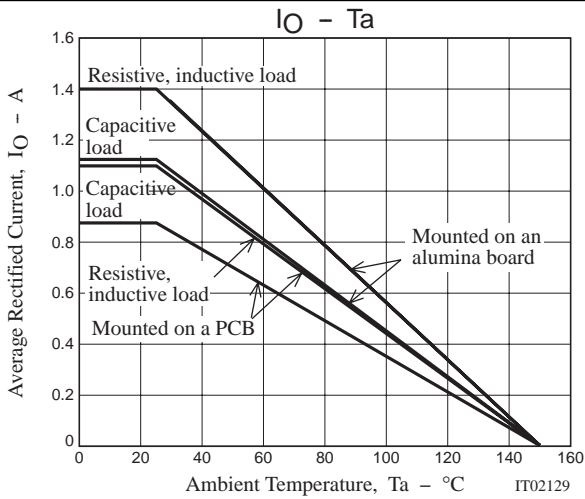
Parameter	Symbol	Conditions	DSA14C	DSA14G	Unit
Peak Reverse Voltage	$V_{RM}$		200	600	V
Average Rectified Current	$I_O$	50Hz sine wave, mounted on an alumina board	→	1.4	A
		Load resistor Mounted a PCB	→	1.1	A
Surge Forward Current	$I_{FSM}$	50Hz sine wave non-repetitive, 1 cycle peak value	→	60	A
Junction Temperature	$T_j$		→	150	$^\circ C$
Storage Temperature	$T_{stg}$		→	-55 to +150	$^\circ C$

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

Parameter	Symbol	Conditions	min	typ	max	Unit
Forward Voltage	$V_F$	$I_F=1.4A$			1.05	V
Reverse Current	$I_R$	$V_R=V_{RM}$			10	$\mu A$
Thermal Resistance	$\theta_{i-l}$	Junction-Lead			24	$^\circ C/W$
		Junction-Ambient Mounted on an alumina board			90	$^\circ C/W$
		Mounted on a PCB			120	$^\circ C/W$

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