



# **Power Rectifier**

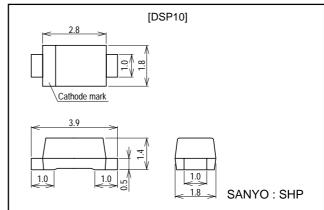
### **Features**

• Facilitates automatic mounting and miniaturization in end products.

Peak reverse voltage: V<sub>RM</sub>=600V.
Average rectified current: I<sub>O</sub>=1.0A.

## **Package Dimensions**

unit : mm 1300



## **Specifications**

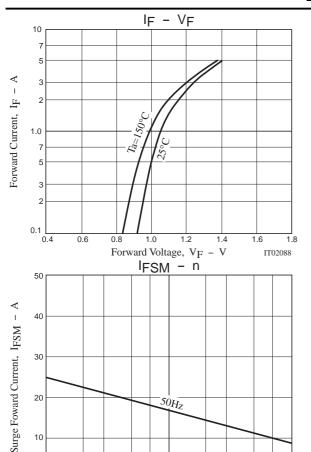
## Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	VRM		600	V
Average Rectified Current	IO	50Hz sine wave, mounted on an alumina board	1.0	Α
		Load resistor (solder pad size 4mm <sup>2</sup> X20µmt)		
		Mounted PCB	0.64	Α
		Load resistor (solder pad size 4mm <sup>2</sup> X20µmt)		
		Mounted PCB	0.80	Α
		Load resistor (solder pad size 4mm <sup>2</sup> X20µmt)		
Surge Forward Current	IFSM	50Hz sine wave	25	Α
		non-repetitive, 1cycle peak value		
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

### Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	min	typ	max	Unit
Forward Voltage	VF	IF=1.0A			1.1	V
Reverse Current	IR	V <sub>R</sub> =V <sub>R</sub> M			10	μΑ
Thremal Resistance	θi-l	Junction-Lead			20	°C/W
	θi-a	Junction-Ambient, mounted on an			108	°C/W
		alumina board				
		(solder pad size 4mm <sup>2</sup> X20μmt)				
		Mounted on PCB			186	°C/W
		(solder pad size 4mm <sup>2</sup> X35μmt)				
		Mounted on PCB			142	°C/W
		(solder pad size 16mm <sup>2</sup> X35µmt)				

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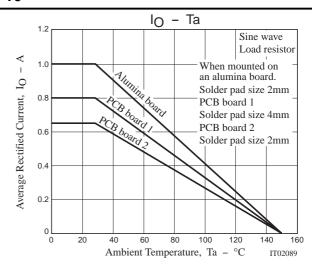


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Number of Cycles at 50Hz, n

10

1.0



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