

SANYO

Power Rectifier

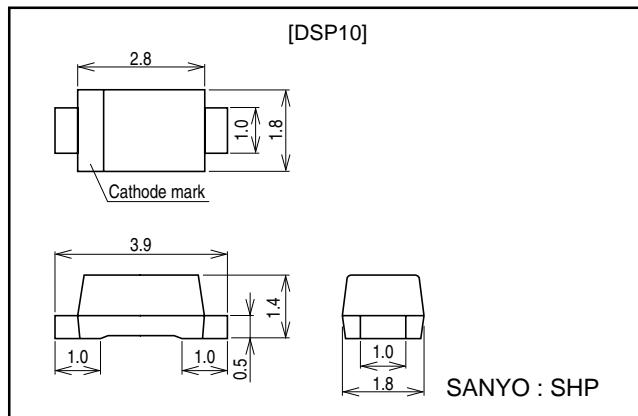
Features

- Facilitates automatic mounting and miniaturization in end products.
- Peak reverse voltage : VRM=600V.
- Average rectified current : IO=1.0A.

Package Dimensions

unit : mm

1300



SANYO : SHP

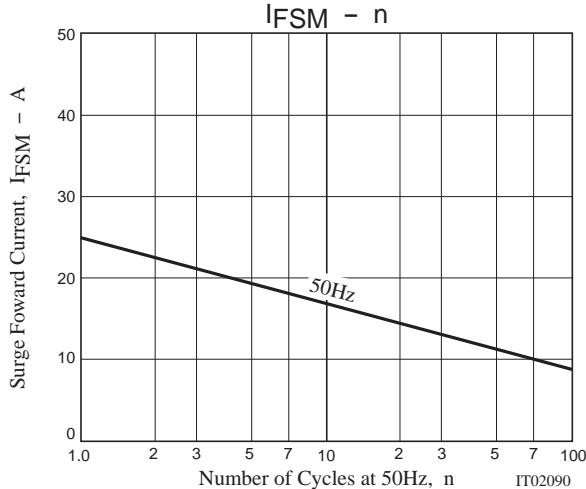
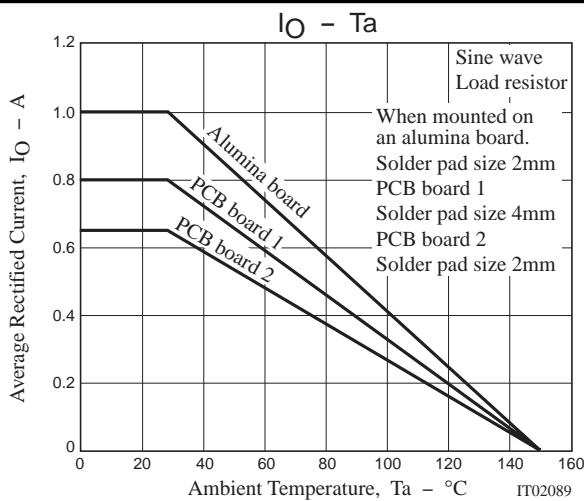
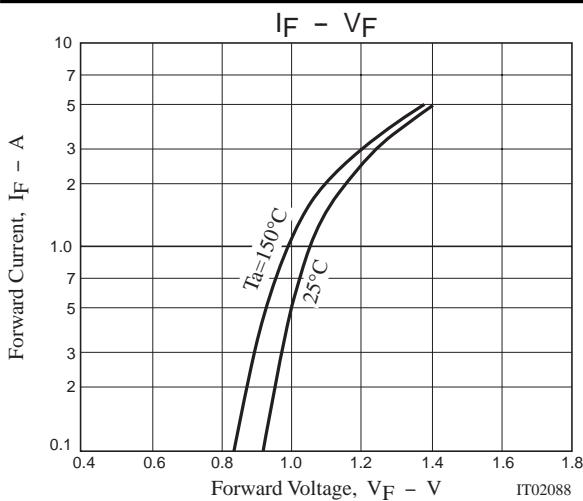
Specifications**Absolute Maximum Ratings at Ta=25°C**

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	VRM		600	V
Average Rectified Current	IO	50Hz sine wave, mounted on an alumina board Load resistor (solder pad size 4mm ² ×20μmt)	1.0	A
		Mounted PCB Load resistor (solder pad size 4mm ² ×20μmt)	0.64	A
		Mounted PCB Load resistor (solder pad size 4mm ² ×20μmt)	0.80	A
		50Hz sine wave non-repetitive, 1cycle peak value	25	A
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	VR=VRM			10	μA
Thermal Resistance	θi-l	Junction-Lead			20	°C/W
	θi-a	Junction-Ambient, mounted on an alumina board (solder pad size 4mm ² ×20μmt)			108	°C/W
		Mounted on PCB (solder pad size 4mm ² ×35μmt)			186	°C/W
		Mounted on PCB (solder pad size 16mm ² ×35μmt)			142	°C/W

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