Schottky Barrier Diode



SBH15-03

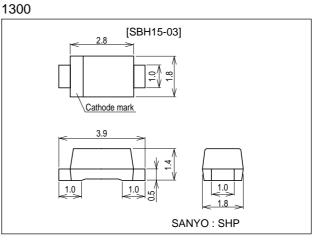
# 30V, 1.5A Rectifier

### Features

- Supports automatic mounting and permits SBH15-03 applied sets to be made smaller.
- Low forward voltage (VF max=0.3V).
- Average rectified current : IO=1.5A.

## **Package Dimensions**

unit : mm



# Specifications

### Absolute Maximum Ratings at Ta=25°C

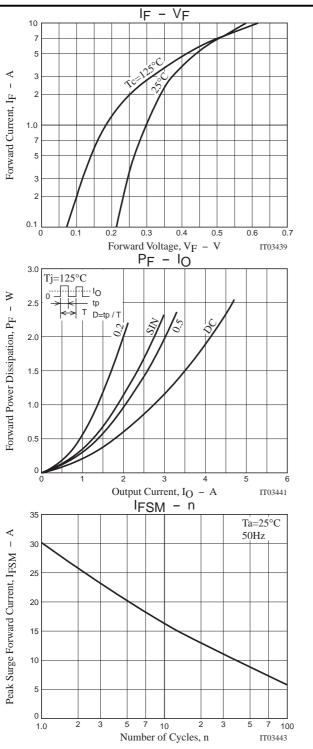
Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	VRM		30	V
Average Rectified Current	1	50Hz sine wave, Tc=105°C	1.5	А
	IO	Load resistor		
Surge Forward Current	1	50Hz sine wave	20	А
	IFSM	non-repetitive, 1 cycle peak value	30	
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

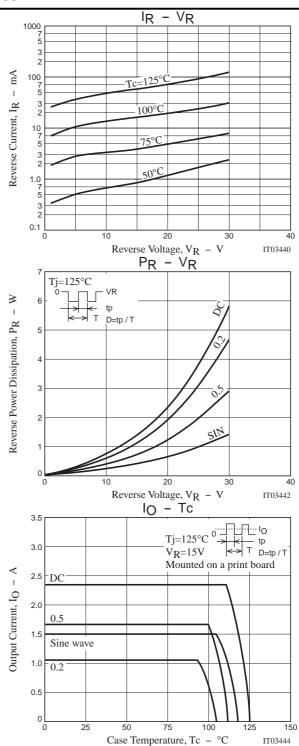
#### Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Onit
Forward Voltage	VF	IF=0.5A			0.30	V
		IF=1.5A			0.36	V
Reverse Current	IR	V <sub>R</sub> =30V			1	mA
Thremal Resistance	θi-l	Junction-Lead			20	°C/W
	θi-a	Junction-Ambient, mounted on an			80	°C/W
		almina board.				

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