

## **SB11-04HP**

Schottky Barrier Diode

# 40V, 1.1A Rectifier

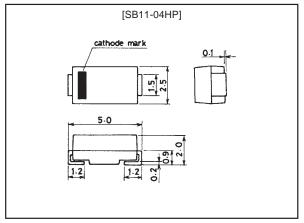
#### **Features**

- · Supports automatic mounting and permits SB11-04HP-applied sets to be made smaller.
- $\cdot$  Low forward voltage (V<sub>F</sub> max=0.55V).
- · Average rectified current (I<sub>O</sub>=1.1A).

### **Package Dimensions**

unit:mm

1188



### **Specifications**

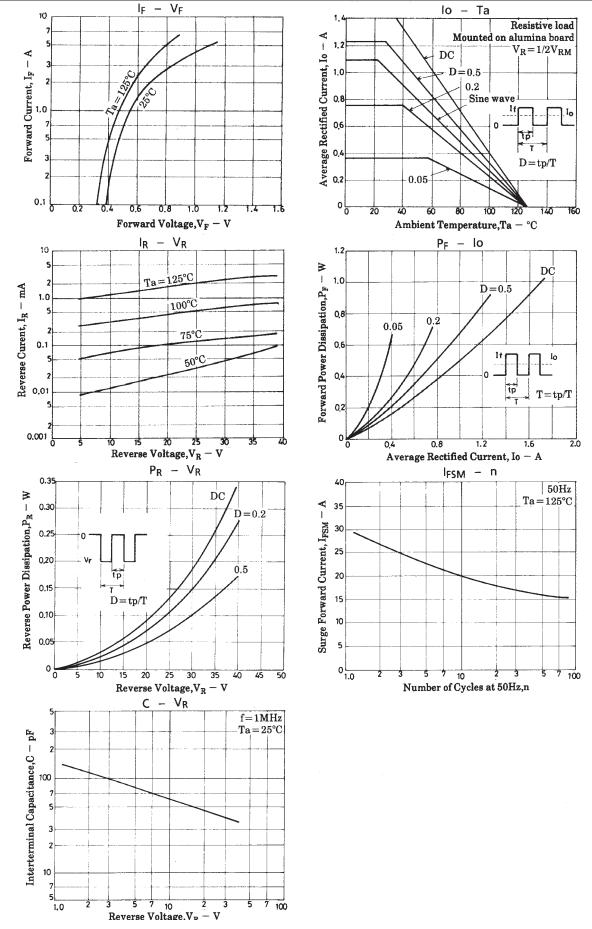
#### Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V <sub>RM</sub>		40	V
Nonrepetitive Peak Reverse Surge Voltage	V <sub>RSM</sub>		45	V
Average Rectified Current	lo	50Hz sine wave, mounted on alumina board	1.1	Α
		Resistive load, mounted on PCB	0.85	Α
Surege Forward Current	I <sub>FSM</sub>	50Hz sine wave, nonrepetitive, 1 cycle, peak value	30	Α
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	Offic
Forward Voltage	٧F	I <sub>F</sub> =1.1A			0.55	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =40V			1	mA
Thermal Resistance	θј-Ι	Junction-Lead			23	°C/W
	θј-а	Junction-Ambient Mounted on alumina board			108	°C/W
		Mounted on PCB			157	°C/W

### **SB11-04HP**



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