# **HSC226**

Silicon Schottky Barrier Diode

# HITACHI

ADE-208-831A (Z)

Rev. 1 Aug. 2000

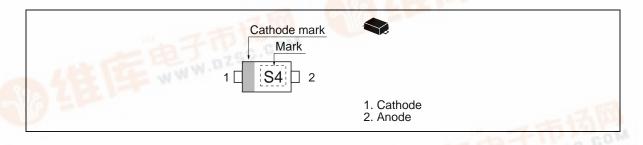
#### **Features**

- Low reverse current, Low capacitance.
- Ultra small Flat Package (UFP) is suitable for surface mount design.

### **Ordering Information**

Type No.	Laser Mark	Package Code
HSC226	S4	UFP

#### **Outline**





### **HSC226**

### **Absolute Maximum Ratings**

 $(Ta = 25^{\circ}C)$ 

Item	Symbol	Value	Unit	
Repetitive peak reverse voltage	$V_{RRM}$	25	V	
Non-Repetitive peak forward surge current	I <sub>FSM</sub> *	200	mA	
Forward current	I <sub>F</sub>	50	mA	
Junction temperature	Tj	125	°C	
Storage temperature	Tstg	−55 to +125	°C	

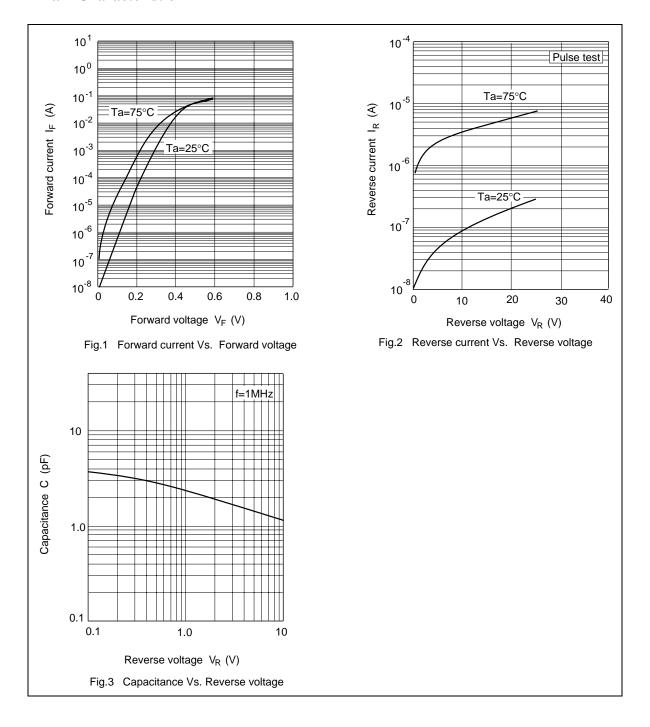
Note: 10ms Sinewave 1pulse

### **Electrical Characteristics**

 $(Ta = 25^{\circ}C)$ 

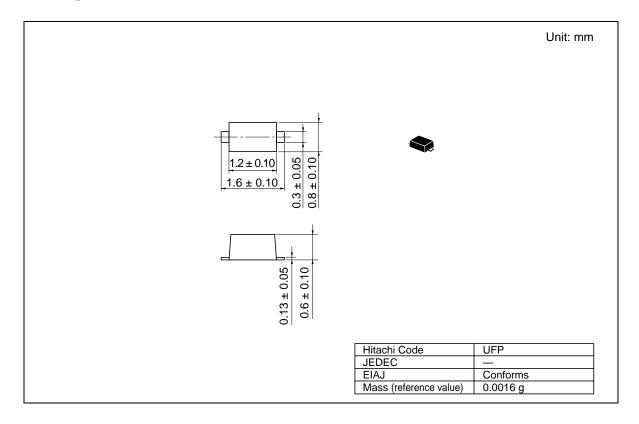
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V <sub>F1</sub>	_	_	0.33	V	I <sub>F</sub> = 1 mA
	$V_{F2}$	_	_	0.38	_	$I_F = 5 \text{ mA}$
Reverse current	I <sub>R</sub>	_	_	0.45	μΑ	$V_R = 20 \text{ V}$
Capacitance	С	_	_	2.80	pF	$V_R = 1 \text{ V, } f = 1 \text{ MHz}$

### **Main Characteristic**



## **HSC226**

### **Package Dimensions**



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