## HSB226YP

Silicon Schottky Barrier Diode

# HITACHI

ADE-208-842(Z) Rev. 0 Mar. 2000

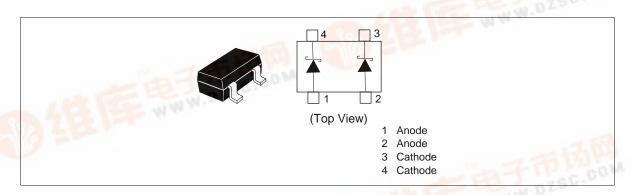
#### **Features**

- Low reverse current, Low capacitance.
- CMPAK-4 Package is suitable for high density surface mounting and high speed assembly.

#### **Ordering Information**

Type No.	Laser Mark	Package Code
HSB226YP	E5	CMPAK-4

#### **Outline**





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### Absolute Maximum Ratings ( $Ta = 25^{\circ}C$ )

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	$V_{\sf RRM}$	25	V
Non-Repetitive peak forward surge current	I <sub>FSM</sub> *1*2	200	mA
forward current	l <sub>F</sub> *2	50	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

Notes: 1. 10msec sine wave 1 pulse

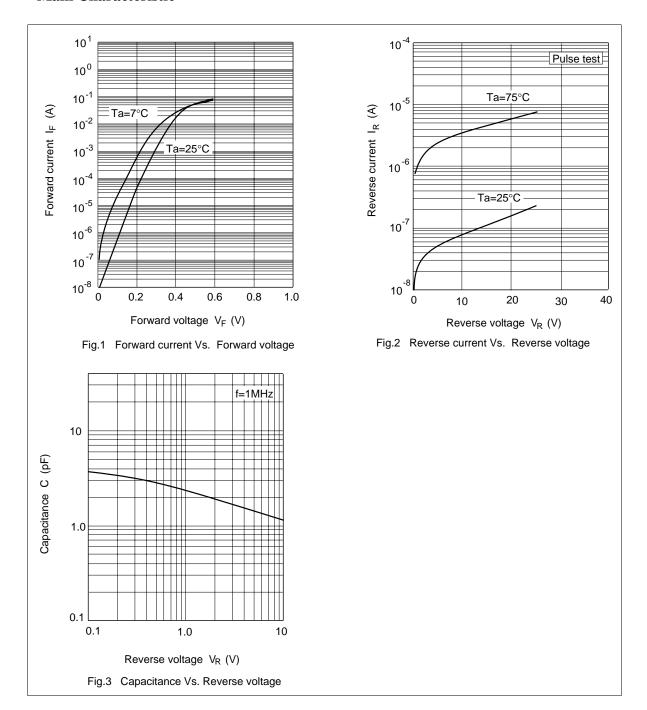
Notes: 2. Two device total

#### **Electrical Characteristics (Ta = 25^{\circ}C)**

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

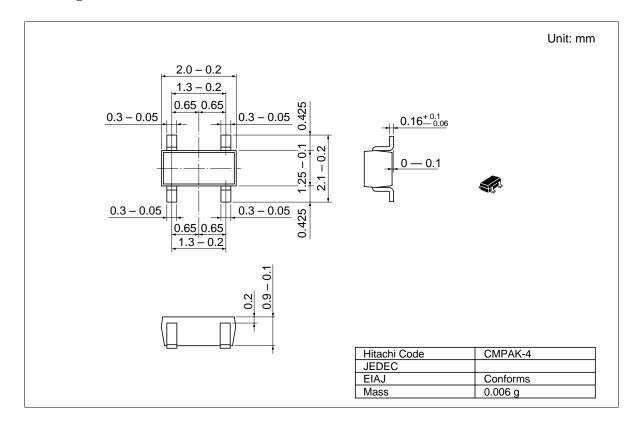
Note: 1. Per one device

#### **Main Characteristic**



## HSB226YP

## **Package Dimensions**



#### **Cautions**

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