HSB0104YP

Silicon Schottky Barrier Diode for High Speed Switching

HITACHI

ADE-208-730(Z) Rev 0 Dec. 1, 1998

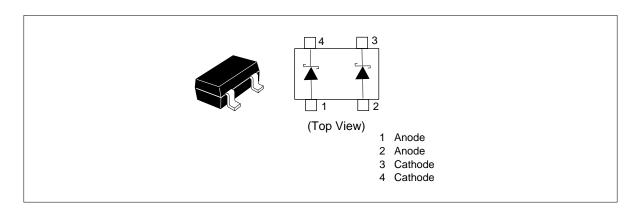
Features

- Can be used for protection of signal-bus lines.
- The mounting efficiency has been improved by incorporating two low-loss diode element into a CMPAK-4 package.

Ordering Information

Type No.	Laser Mark	Package Code
HSB0104YP	E4	CMPAK-4

Outline



HSB0104YP

Absolute Maximum Ratings (Ta = 25° C) *1

Item	Symbol	Value	Unit	
Repetitive peak reverse voltage	V_{RRM}	40	V	
Average rectified current	I _o	100	mA	
Non-Repetitive peak forward surge current	I _{FSM} *2	3	А	
Junction temperature	Tj	125	°C	
Storage temperature	Tstg	-55 to +125	°C	

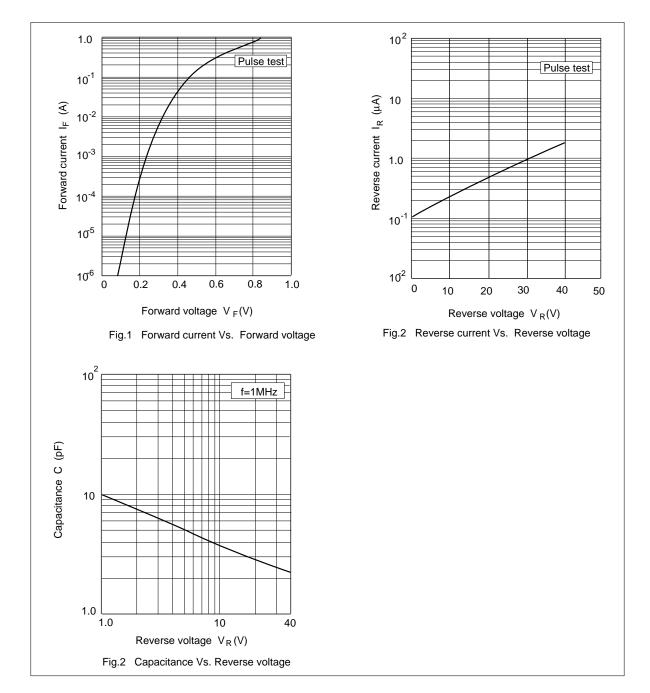
Note: 1. Per one device

Note: 2. 10msec sine wave 1 pulse

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

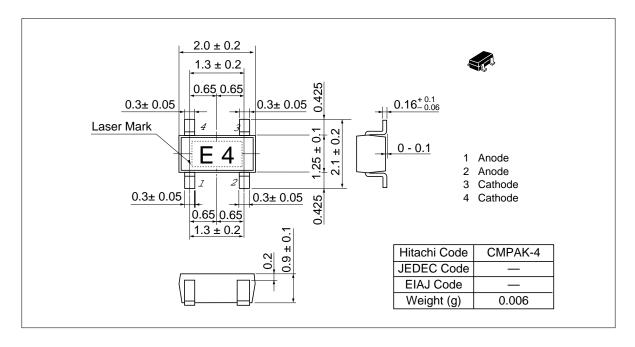
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V_{F}	_	_	0.58	V	$I_{F} = 100 \text{ mA}$
Reverse current	I _R	_	_	50	μΑ	V _R = 40V
Capacitance	С	_	20	_	pF	V _R = 0V, 1=1MHz

Main Characteristic



HSB0104YP

Package Dimensions (Unit: mm)



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