

Silicon Schottky Barrier Diode for High Speed Switching



ADE-208-932A (Z)

Rev. 1 Sep. 2000

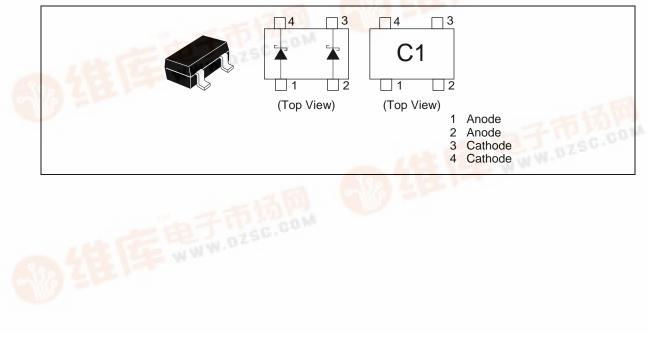
Features

- 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
HSB88YP	C1	CMPAK-4

Pin Arrangement





Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Reverse voltage	V _R	10	V
Average rectified current	l _o *	15	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	–55 to +125	°C

Note: Per one device.

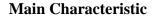
Electrical Characteristics *¹

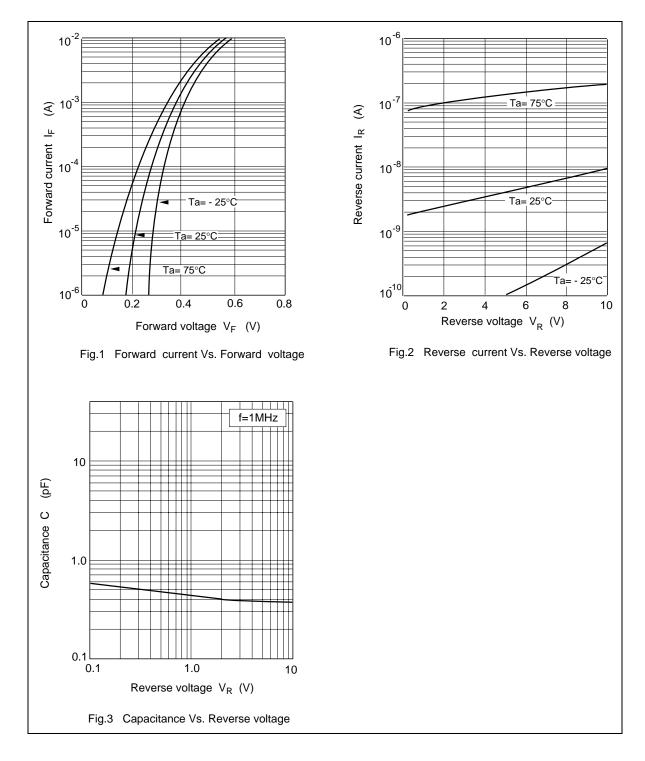
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	$V_{_{F1}}$	0.350) —	0.420	V	I _F = 1 mA
	$V_{\rm F2}$	0.500) —	0.580)	I _F = 10 mA
Reverse current	I _{R1}		_	0.2	μA	$V_{R} = 2 V$
	I _{R2}		_	10	_	V _R = 10 V
Capacitance	С		_	0.80	pF	$V_{R} = 0 V, f = 1 MHz$
Capacitance deviation	ΔC		_	0.10	pF	$V_{R} = 0 V, f = 1 MHz$
Forward voltage deviation	$\Delta V_{\rm F}$		_	10	mV	I _F = 10 mA
ESD-Capability *2		30		_	V	C = 200 pF, R = 0 Ω , Both forward and reverse direction 1 pulse.

Notes: 1. Per one device.

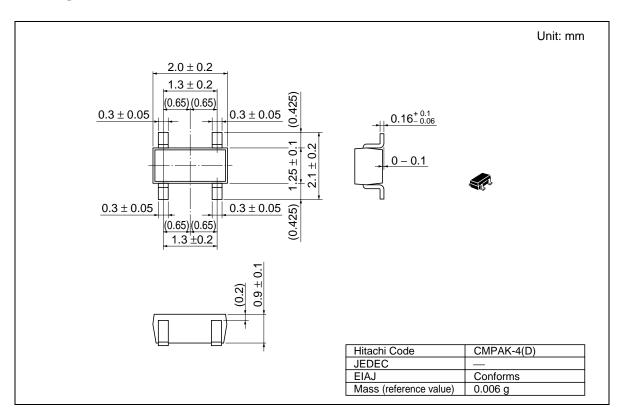
2. Failure criterion ; $I_{_R}$ > 0.4 μA at $V_{_R}$ = 2 V







Package Dimensions





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