HSB88AS

Silicon Schottky Barrier Diode for High Speed Switching

HITACHI

ADE-208-964 (Z)

Rev. 0 Aug. 2000

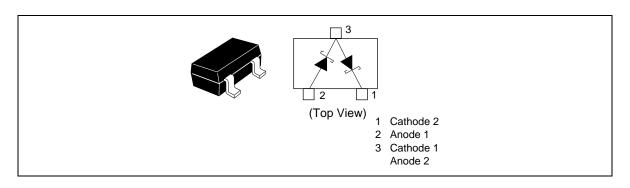
Features

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

Ordering Information

Type No.	Laser Mark	Package Code	
HSB88AS	C1	CMPAK	

Pin Arrangement





HSB88AS

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

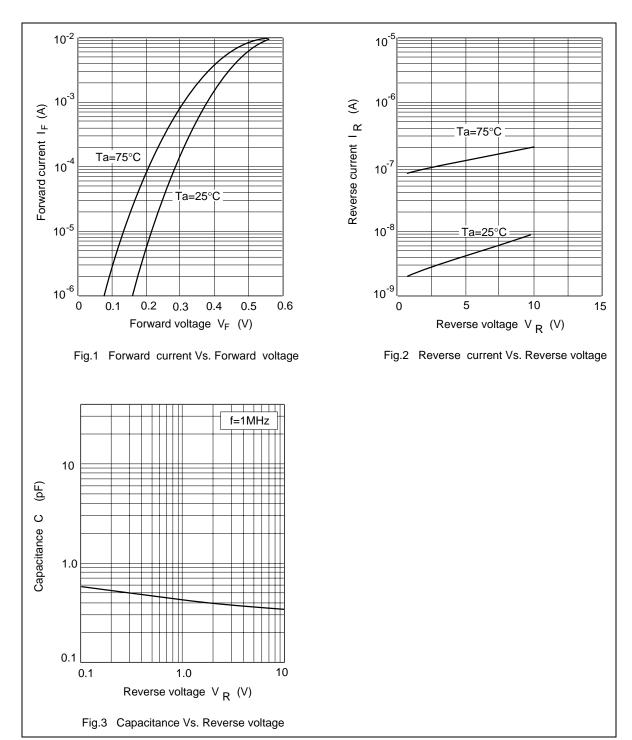
 $(Ta = 25^{\circ}C)$

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

Notes: 1. Per one device.

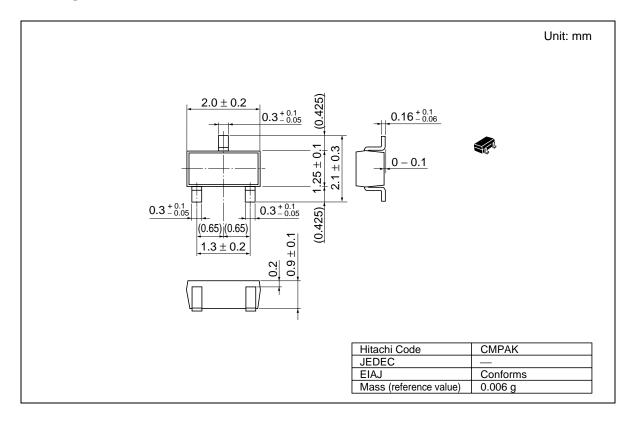
2. Failure criterion ; $I_{_{R}}\!>\!0.4~\mu\text{A}$ at $V_{_{R}}\!=2V$

Main Characteristic



HSB88AS

Package Dimensions



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