

HSB285S

Silicon Schottky Barrier Diode for Detector

REJ03G0010-0200 Rev.2.00 May 17, 2006

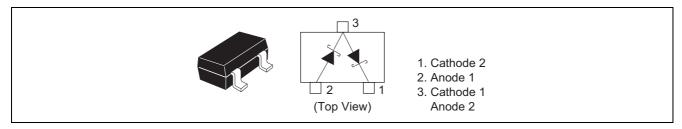
Features

- Low forward voltage, Low capacitance and High detection sensitivity.
- HSB285S which is interconnected in series configuration. is designed for voltage doubler use.
- CMPAK package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Name	Package Code
HSB285S	S3	CMPAK	PTSP0003ZB_A

Pin Arrangement





Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Reverse voltage	V _R	2	V
Average rectified current	I ₀ * ¹	5	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	۵°

Note: 1. Per one device

Electrical Characteristics *1

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

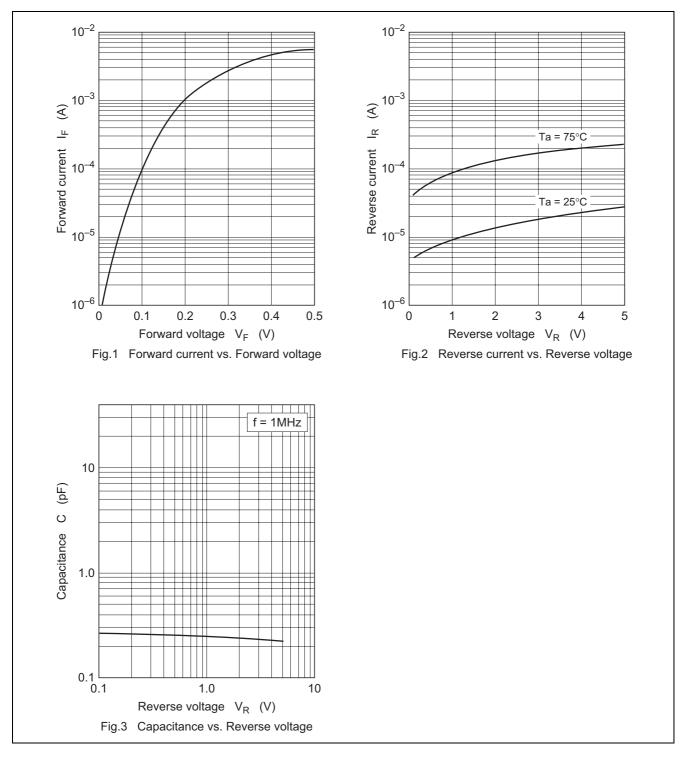
						(1a = 25 C)
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _{F1}	_	—	0.15	V	I _F = 0.1 mA
	V _{F2}	_	—	0.27		I _F = 1 mA
Capacitance	С	_	0.3	—	pF	$V_R = 0.5 V, f = 1 MHz$
ESD-Capability *2	—	10	_	_	V	C = 200 pF, $R_L = 0 \Omega$, Both forward
						and reverse direction 1 pulse.

Notes: 1. Per one device

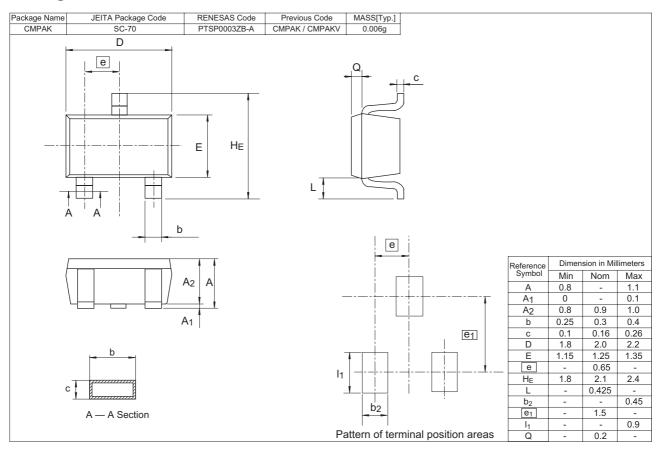
2. Failure criterion ; $I_R \geq 100 \; \mu A$ at V_R =0.5 V



Main Characteristic



Package Dimensions





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