HSC88

Silicon Schottky Barrier Diode for Various Detector, Mixer

HITACHI

ADE-208-826 (Z) Rev 0 Nov. 1999

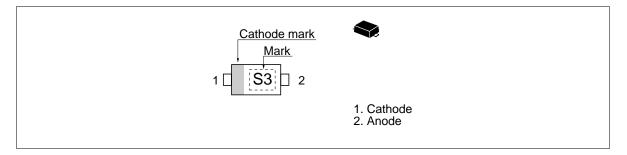
Features

- Low capacitance. (C = 0.8 pF max)
- Low forward voltage.
- <u>Ultra small Flat Package (UFP) is suitable for high density surface mounting and high speed assembly.</u>

Ordering Information

Туре No.	Laser Mark	Package Code
HSC88	S3	UFP

Outline





HSC88

Absolute Maximum Ratings (Ta = 25° C)

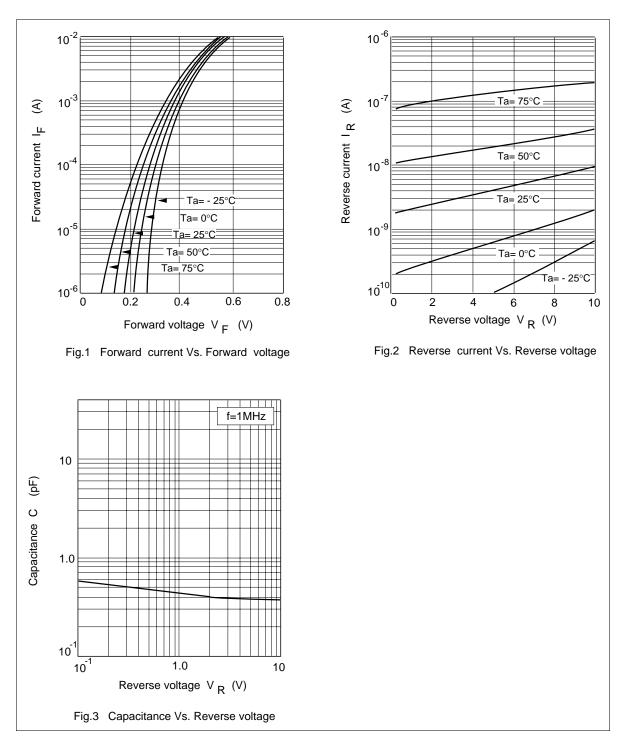
Item	Symbol	Value	Unit
Reverse voltage	V _R	10	V
Average rectified current	Io	15	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

Electrical Characteristics (Ta = 25° C)

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V_{F1}	350	_	420	mV	I _F = 1 mA
	V _{F2}	500	—	580		I _F = 10 mA
Reverse current	I _{R1}		—	0.2	μΑ	V _R = 2V
	I _{R2}		—	10		V _R = 10V
Capacitance	С		—	0.8	pF	$V_{R} = 0V, f = 1 MHz$
ESD-Capability ^{*1}	—	30	—		V	C = 200pF , Both forward and reverse direction 1 pulse.

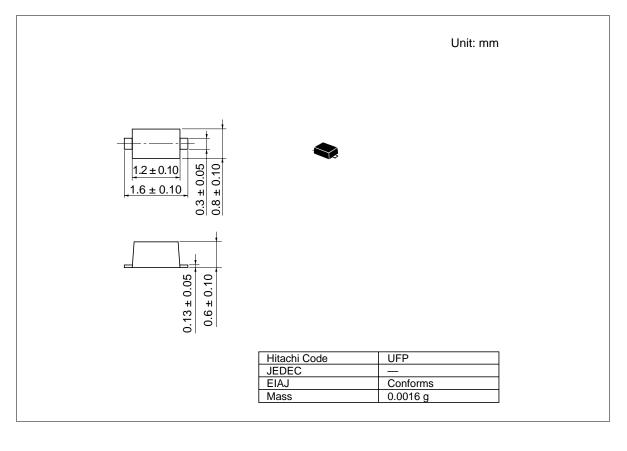
Notes 1. Failure criterion ; $I_{R} \ge 400$ nA at V_{R} =2 V

Main Characteristic



HSC88

Package Dimensions



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