HSU88

Silicon Schottky Barrier Diode for Various Detector, Mixer

HITACHI

ADE-208-077G(Z)

Rev. 7 Dec. 1999

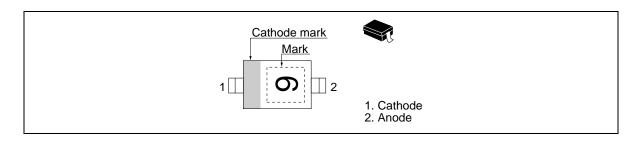
Features

- Low capacitance. (C=0.8pF max)
- Low forward voltage.
- Ultra small Resin Package (URP) is suitablefor high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HSU88	9	URP

Outline





HSU88

Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Reverse voltage	V_{R}	10	V
Average rectified current	I _o	15	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

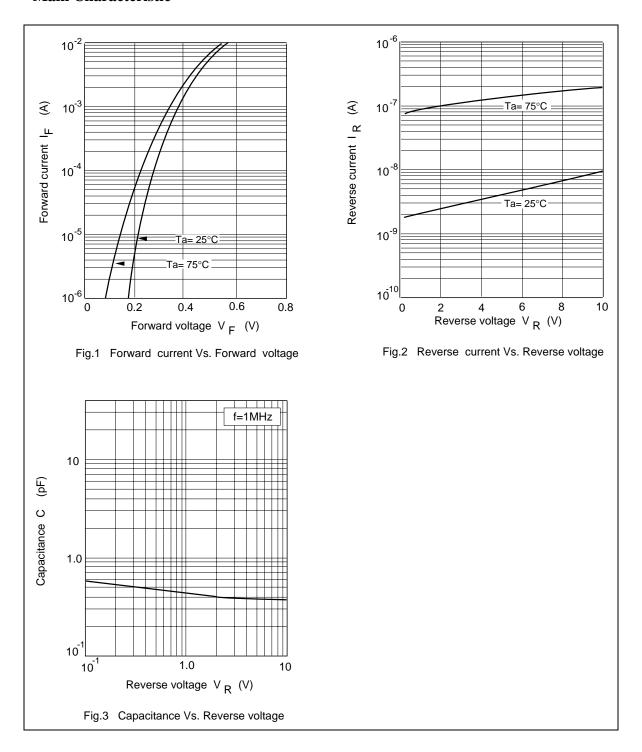
Electrical Characteristics

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

Item	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.

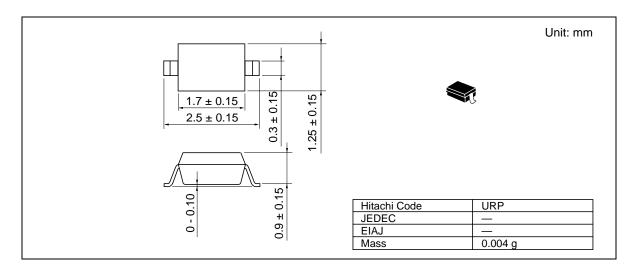
Notes 1. Failure criterion ; IR ≥ 400nA at VR =2 V

Main Characteristic



HSU88

Package Dimensions



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