RENESAS

HSU88

Silicon Schottky Barrier Diode for Detector and Mixer

REJ03G0140-0800Z (Previous: ADE-208-077G) Rev.8.00 Nov.06.2003

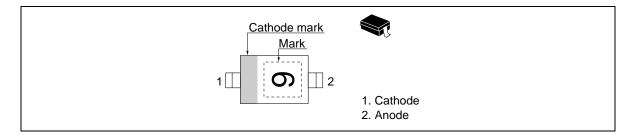
Features

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

Ordering Information

Туре No.	Laser Mark	Package Code
HSU88	9	URP

Pin Arrangement





HSU88

Absolute Maximum Ratings

(Ta = 25°C)

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

Electrical Characteristics

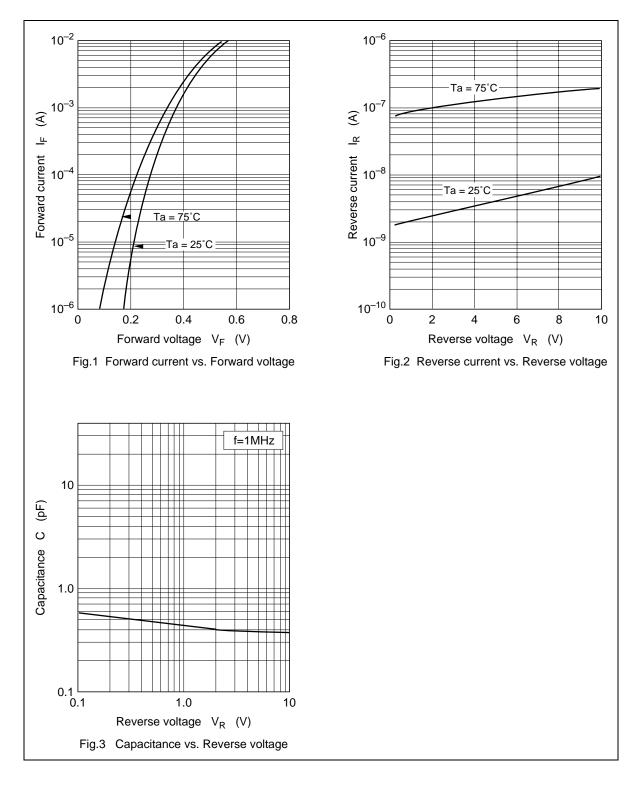
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V_{F1}	0.35	_	0.42	V	$I_F = 1 \text{ mA}$
	V _{F2}	0.50		0.58	_	I _F = 10 mA
Reverse current	I _{R1}			0.2	μΑ	$V_R = 2 V$
	I _{R2}			10	_	V _R = 10 V
Capacitance	С			0.8	pF	$V_R = 0 V, f = 1 MHz$
ESD-Capability * ¹		30	_	_	V	C = 200 pF, R = 0 Ω , Both forward and reverse direction 1 pulse.

Notes: 1. Failure criterion ; $I_R \geq 0.4 \ \mu A$ at V_R = 2 V



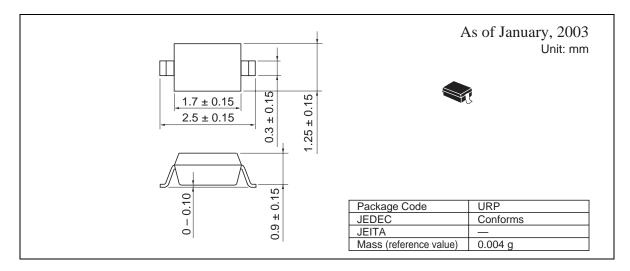
Main Characteristics





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Package Dimensions





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