HSU276A

Silicon Schottky Barrier Diode for Mixer

HITACHI

ADE-208-837(Z)

Rev. 0 Feb. 2000

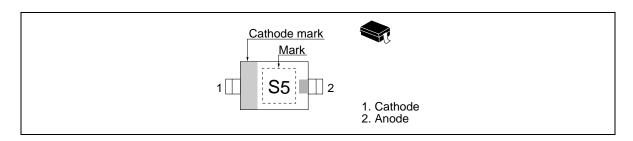
Features

- High forward current, Low capacitance.
- Ultra small Resin Package (URP) is suitablefor high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HSU276A	S5	URP

Outline





HSU276A

Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V_{RRM}	5	V
Reverse voltage	V _R	3	V
Average rectified current	I _o	30	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

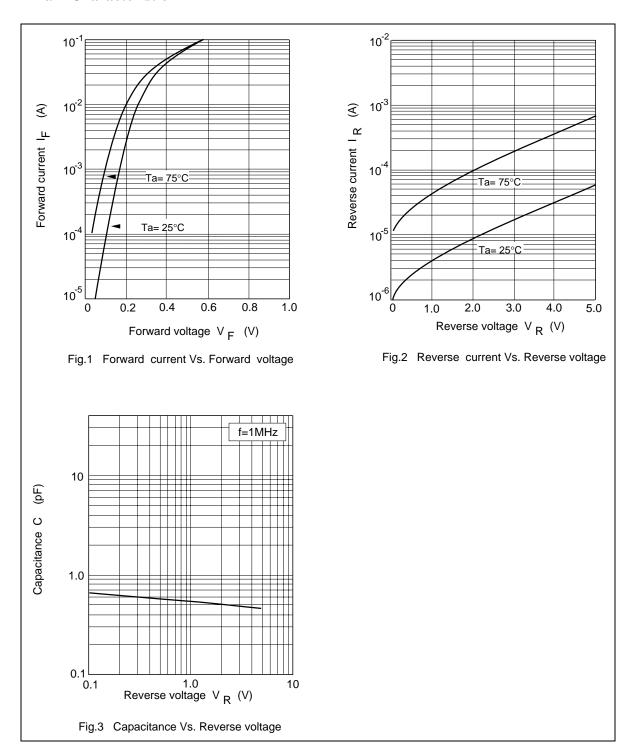
Electrical Characteristics

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

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse voltage	V_R	3	_	_	V	I _R = 1 mA
Reverse current	I _R	_	_	50	μΑ	V _R = 0.5V
Forward current	I _F	35	_		mA	$V_F = 0.5V$
Capacitance	С	_	_	0.85	pF	$V_{R} = 0.5V, f = 1 \text{ MHz}$
ESD-Capability ^{*1}	_	30	_	_	V	C=200pF , Both forward and reverse direction 1 pulse.

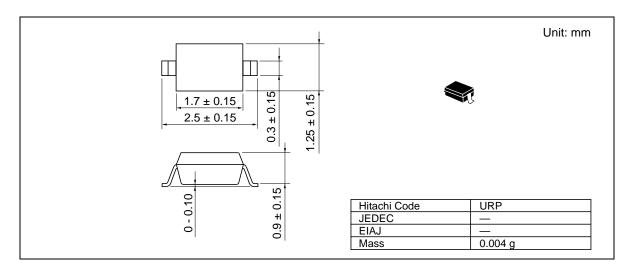
Notes 1. Failure criterion ; $I_R \ge 100 \mu A$ at $V_R = 0.5 \text{ V}$

Main Characteristic



HSU276A

Package Dimensions



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