

HSU276

Silicon Schottky Barrier Diode for Mixer

HITACHI

ADE-208-078F(Z)

Rev 6

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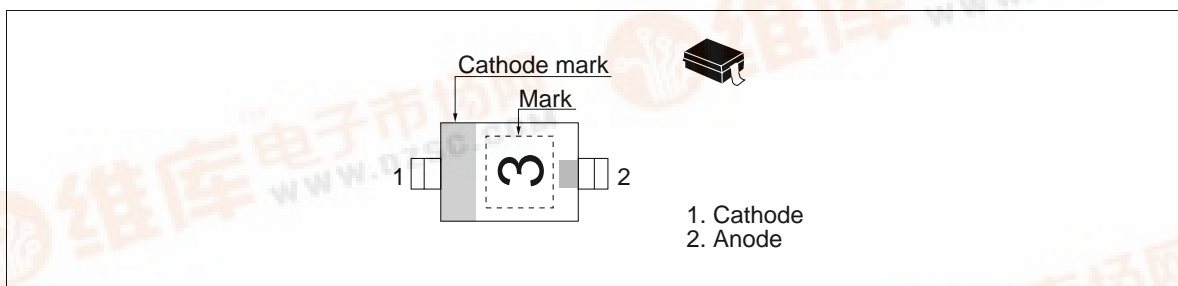
Features

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

Ordering Information

Type No.	Laser Mark	Package Code
HSU276	3	URP

Outline



HSU276

Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Value	Unit
Reverse voltage	V _R	3	V
Average rectified current	I _O	30	mA
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55 to +125	°C

Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse voltage	V _R	3	—	—	V	I _R = 1 mA
Reverse current	I _R	—	—	50	μA	V _R = 0.5V
Forward current	I _F	35	—	—	mA	V _F = 0.5V
Capacitance	C	—	—	0.85	pF	V _R = 0.5V, f = 1 MHz
ESD-Capability ^{*1}	—	30	—	—	V	C = 200pF , Both forward and reverse direction 1 pulse.

Note: 1. Failure criterion ; I_R ≥ 100μA at V_R = 0.5 V

Main Characteristic

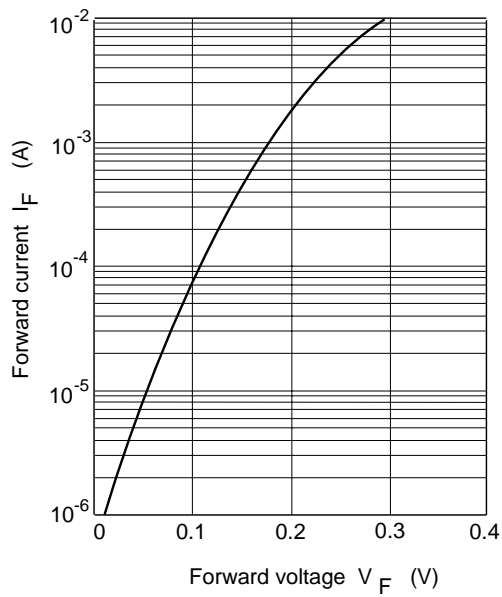


Fig.1 Forward current Vs. Forward voltage

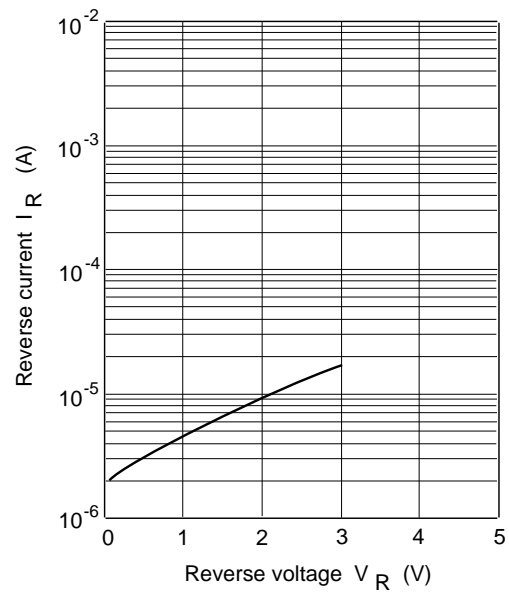


Fig.2 Reverse current Vs. Reverse voltage

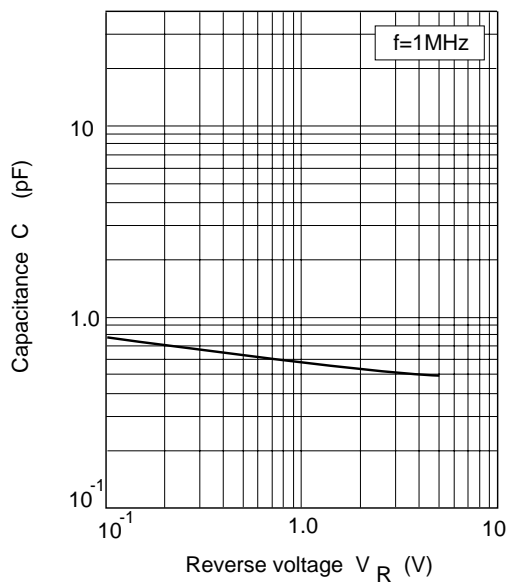
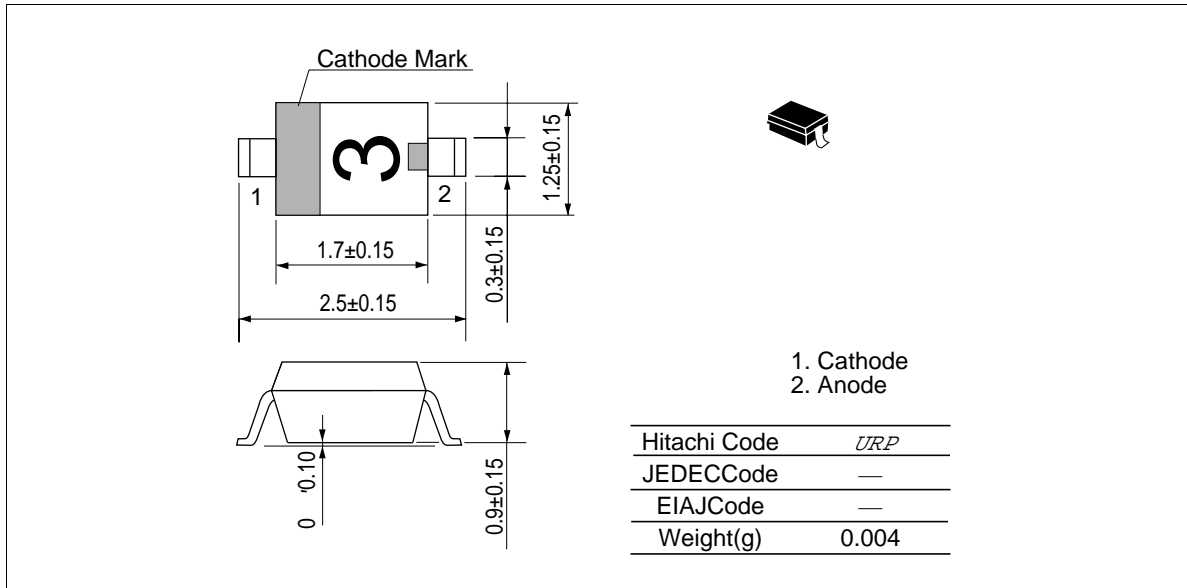


Fig.3 Capacitance Vs. Reverse voltage

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Package Dimensions

Unit : mm



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