
HSU229

Silicon Epitaxial Planar Diode for Band Switch

HITACHI

ADE-208-674(Z)

Rev 0

July 1, 1998

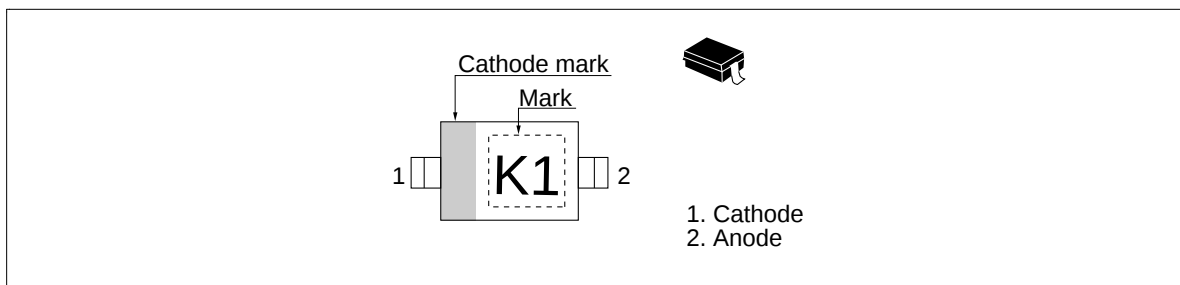
Features

- Low forward resistance. ($r_f=0.6\Omega$ max)
- Ultra small Resin Package (URP) is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HSU229	K1	URP

Outline



HSU229

Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Value	Unit
Reverse voltage	V _R	35	V
Power dissipation	Pd	150	mW
Junction temperature	Tj	125	°C
Storage temperature	Tstg	−55 to+125	°C

Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse voltage	V _R	35	—	—	V	I _R = 1μA
Reverse current	I _R	—	—	50	nA	V _R = 30 V
Forward voltage	V _F	—	—	1.1	V	I _F = 100mA
Capacitance	C	—	—	1.5	pF	V _R = 15V, f = 1 MHz
Forward resistance	r _f	—	—	0.6	Ω	I _F = 2 mA , f = 100 MHz

Main Characteristic

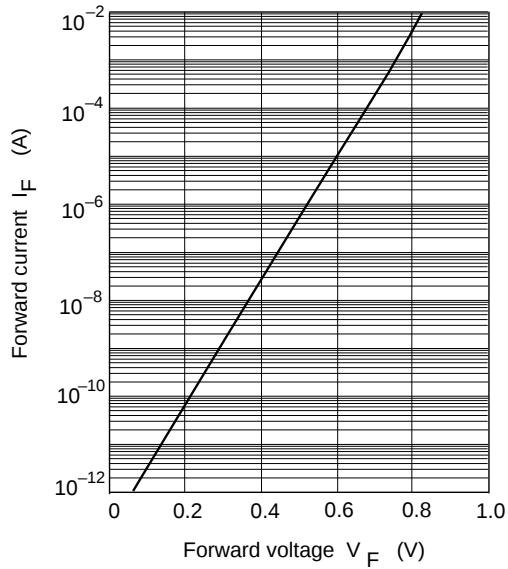


Fig.1 Forward current Vs. Forward voltage

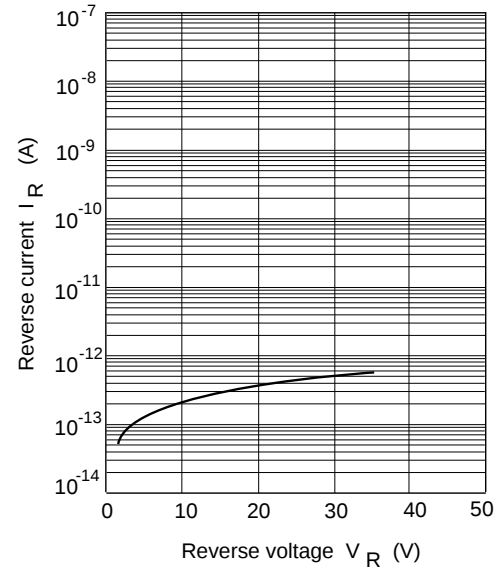


Fig.2 Reverse current Vs. Reverse voltage

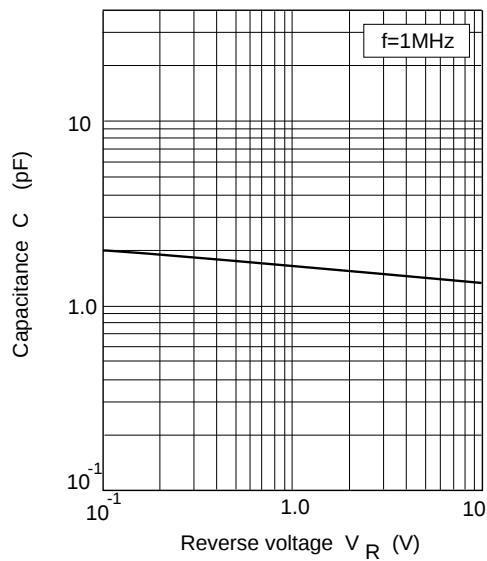


Fig.3 Capacitance Vs. Reverse voltage

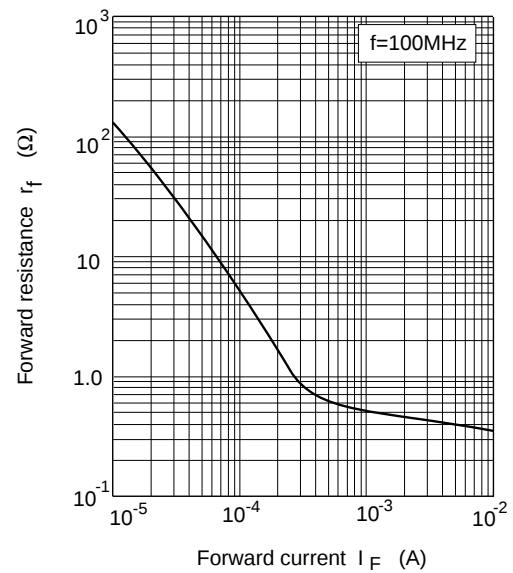
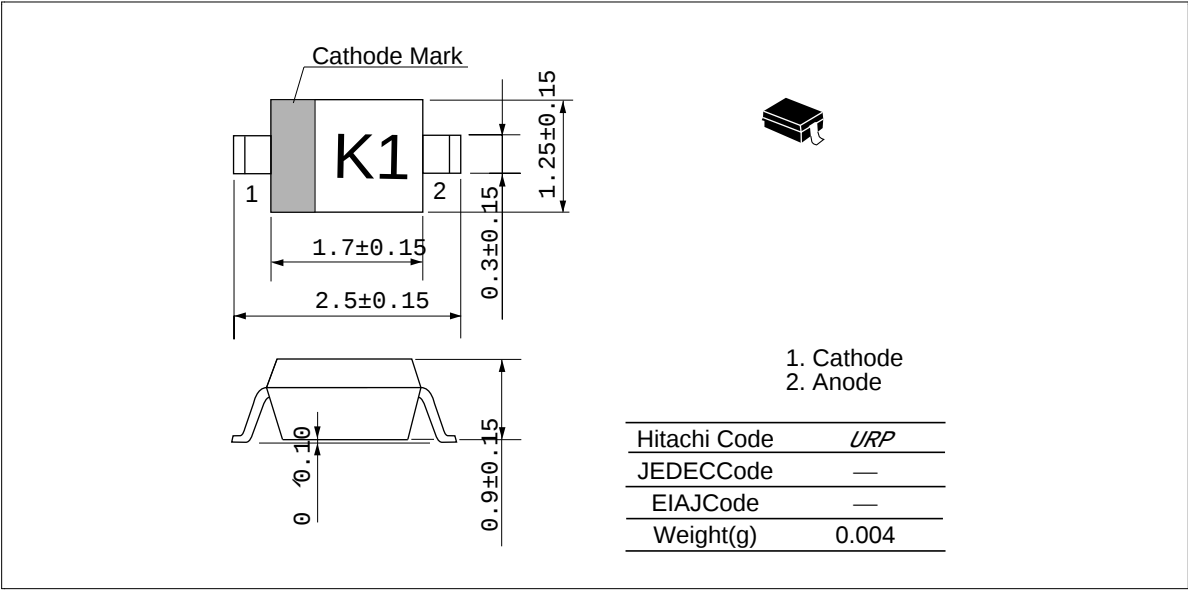


Fig.4 Forward resistance Vs. Forward current

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Package Dimensions (Unit : mm)



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