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Renesas Technology Corp. Customer Support Dept. April 1, 2003



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HVU134

Silicon Epitaxial Planar Pin Diode for High Frequency Switching

RENESAS

ADE-208-786 (Z)

Rev. 0 Apr. 1999

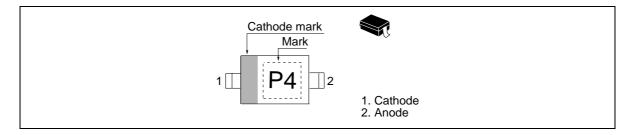
Features

- Low capacitance.(C=0.4pF max)
- Low forward resistance. (rf= 2.0Ω max)
- <u>Ultra small Resin Package (URP) is suitable for surface mount design.</u>

Ordering Information

Туре No.	Laser Mark	Package Code
HVU134	P4	URP

Outline



HVU134

Absolute Maximum Ratings

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

ltem	Symbol	Value	Unit
Peak reverse voltage	V _{RM}	65	V
Reverse voltage	V _R	60	V
Forward current	I _F	100	mA
Power dissipation	P _d	150	mW
Junction temperature	Tj	125	C°
Storage temperature	Tstg	-55 to +125	°C

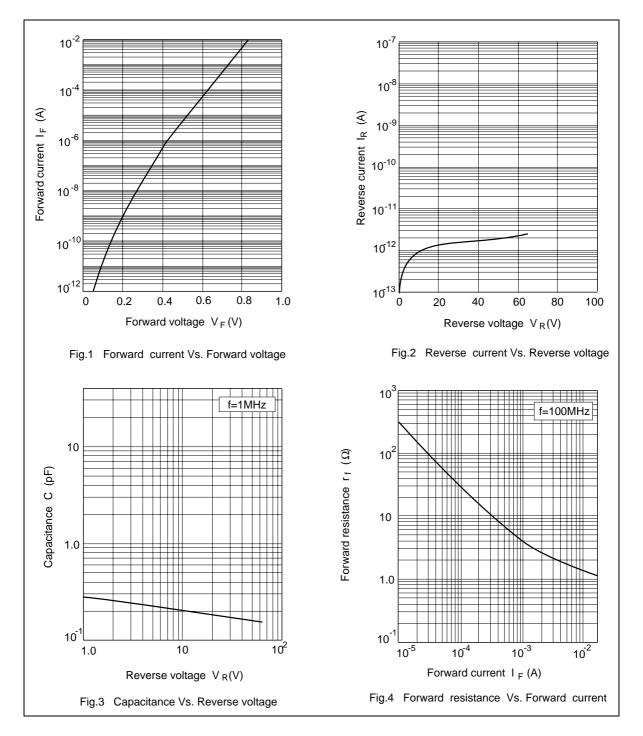
Electrical Characteristics

(Ta = 25°C)

ltem	Symbol	Min	Тур	Мах	Unit	Test Condition
Reverse current	I _R	_	_	0.1	μΑ	$V_{R} = 60V$
Forward voltage	V _F	—	_	1.0	V	I _F = 10 mA
Capacitance	С	_	_	0.4	pF	$V_{R} = 1V, f = 1 MHz$
Forward resistance	r _,	_	_	2.0	Ω	I _F = 10 mA, f = 100 MHz
ESD-Capability ^{*1}		200			V	C =100pF, R = $1.5K\Omega$, Both forward and reverse direction 5 pulse

Notes 1. Failure criterion ; $IR \ge 0.1 \ \mu A$ at VR = 60V.

Main Characteristic

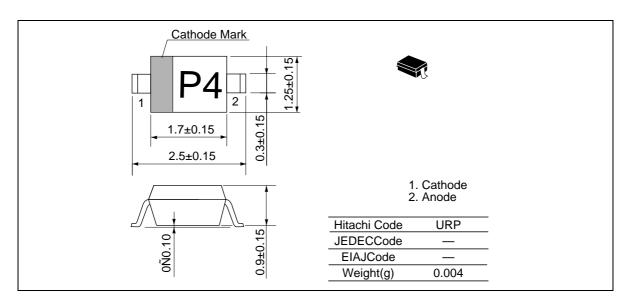


RENESAS

HVU134

Package Dimensions

Unit : mm





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