

HVU133

Silicon Epitaxial Planar Pin Diode for Antenna Switching

REJ03G0436-0300

(Previous: ADE-208-377B)

Rev.3.00 Oct 29, 2004

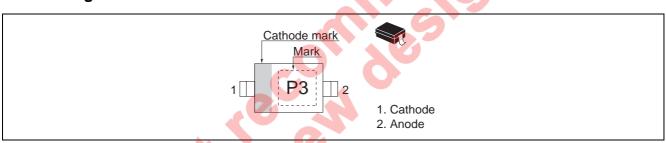
Features

- Low capacitance. (C1 = 1.0 pF max)
- Low forward resistance. (rf = $0.7 \Omega \text{ max}$)
- <u>Ultra small Resin Package (URP)</u> is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	9	Package Code
HVU133	P3		URP

Pin Arrangement



Absolute Maximum Ratings

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

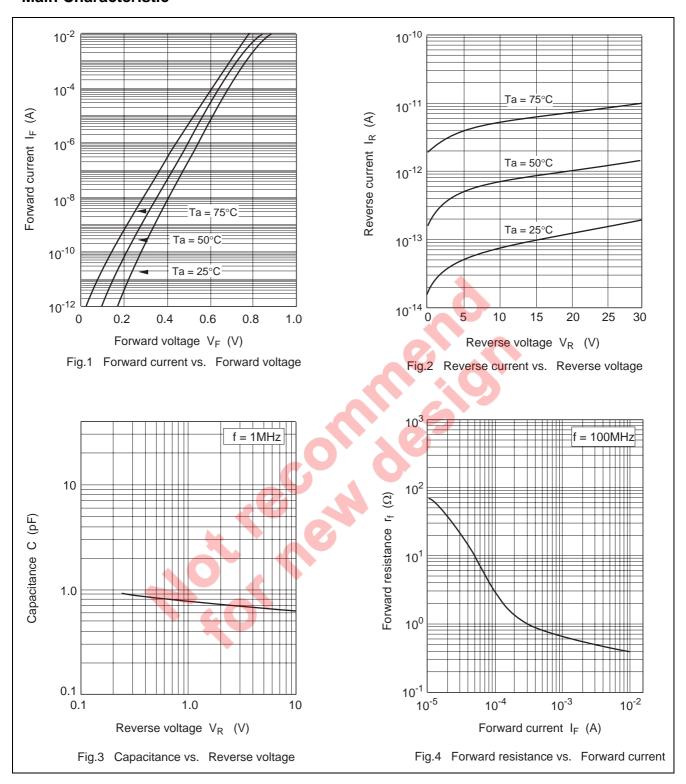
Item	Symbol	Value	Unit
Reverse voltage	V _R	30	V
Power dissipation	Pd	150	mW
Junction temperature	Tj	125	°C
Storage temperature Tstg		-55 to +125	°C

Electrical Characteristics

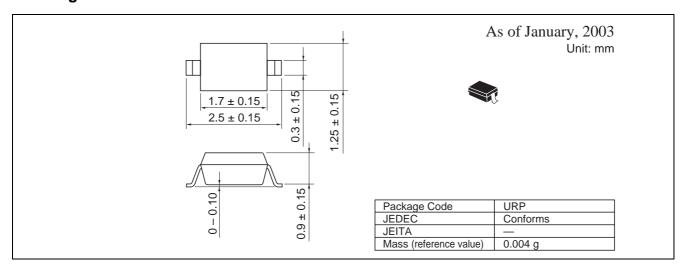
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition			
Reverse voltage	V_R	30	_	_	V	$I_R = 1\mu A$			
Reverse current	I _R	_	_	100	nA	V _R = 25 V			
Forward voltage	V _F	_	_	0.85	V	J _F = 2 mA			
Capacitance	C ₁	_	_	1.00	pF	V _R = 1 V, f = 1 MHz			
	C ₆	_	_	0.90		V _R = 6 V, f = 1 MHz			
Forward resistance	r _f	_	0.55	0.70	Ω	I _F = 2 mA, f = 100 MHz			
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Main Characteristic



Package Dimensions





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- (ii) use of nontrammaple material of (iii) prevention against any maintention or misnap.

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