

HVU350B

Variable Capacitance Diode for VCO

REJ03G0080-0200Z

(Previous: ADE-208-430A)

Rev.2.00 Sep.17.2003

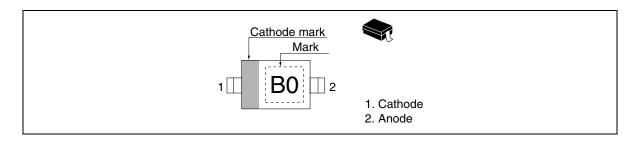
Features

- High capacitance ratio. (n = 2.8 min)
- Low series resistance. (rs = $0.5 \Omega \text{ max}$)
- Good C-V linearity.
- Ultra small Resin Package (URP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code
HVU350B	В0	URP

Pin Arrangement



HVU350B

Absolute Maximum Ratings

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

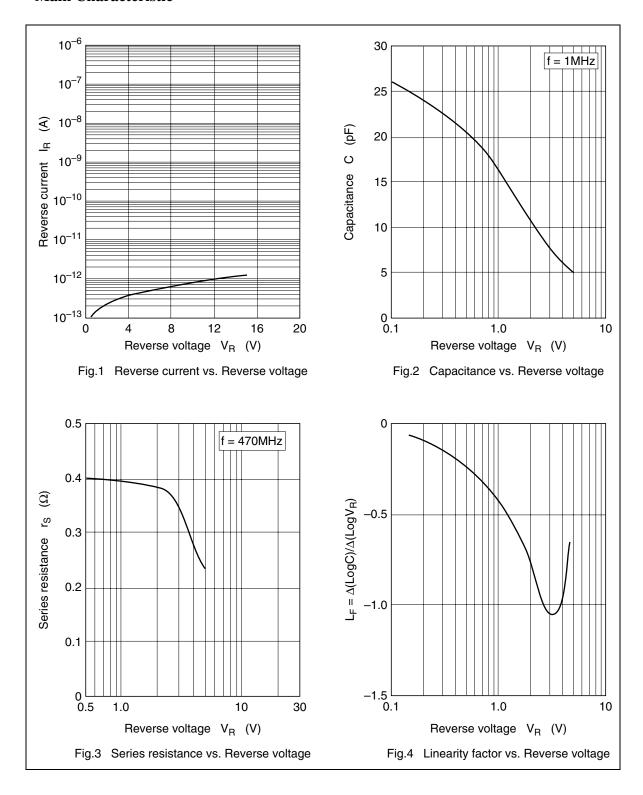
Item	Symbol	Value	Unit
Reverse voltage	V _R	15	V
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

Electrical Characteristics

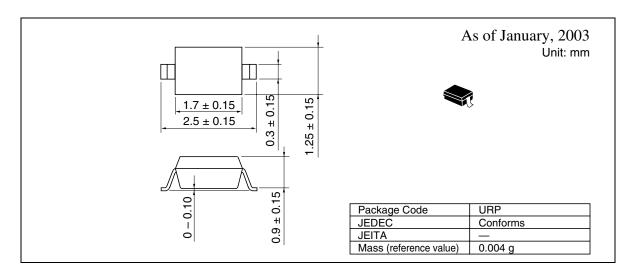
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _{R1}	_	_	10	nA	V _R = 15 V
	I _{R2}	_	_	100		V _R = 15 V, Ta = 60°C
Capacitance	C ₁	15.5	_	17.0	pF	V _R = 1 V, f = 1 MHz
	C ₄	5.0	_	6.0	_	V _R = 4 V, f = 1 MHz
Capacitance ratio	n	2.8	_	_	_	C ₁ /C ₄
Series resistance	r _s	_	_	0.5	Ω	V _R = 1 V, f = 470 MHz

Main Characteristic



Package Dimensions



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