

HVC355B

Variable Capacitance Diode for VCO

REJ03G0084-0100Z

(Previous: ADE-208-416)

Rev.1.00 Sep.17.2003

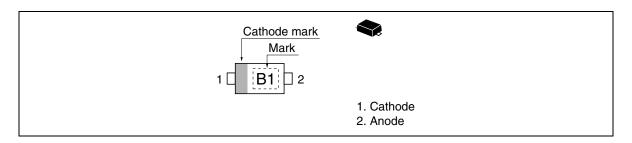
Features

- High capacitance ratio. (n = 2.20 min)
- Low series resistance. (rs = $0.6 \Omega \text{ max}$)
- Ultra small Flat Package (UFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code
HVC355B	B1	UFP

Pin Arrangement



HVC355B

Absolute Maximum Ratings

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

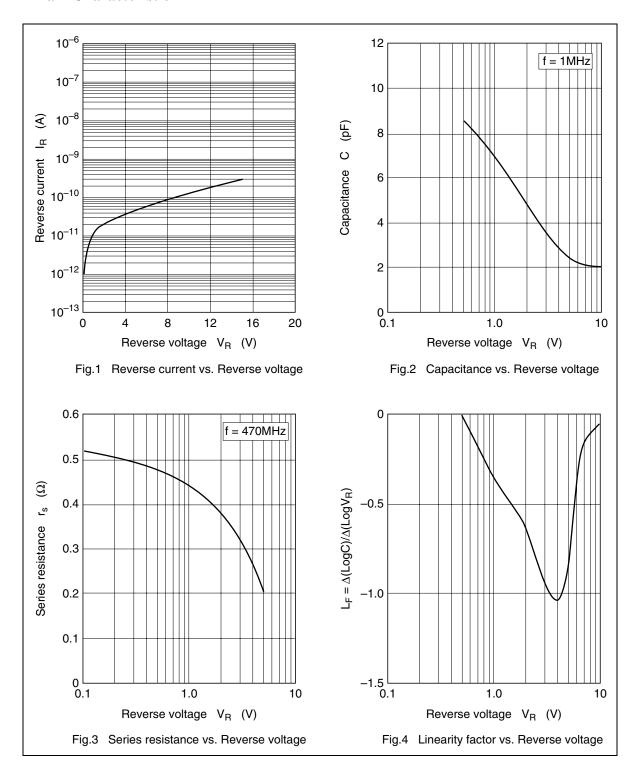
Item	Symbol	Value	Unit
Reverse voltage	V_R	15	V
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

Electrical Characteristics

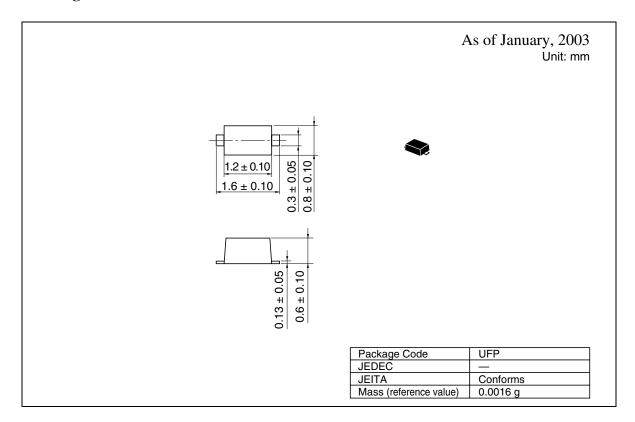
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _{R1}		_	10	nA	V _R = 15 V
	I _{R2}		_	100	<u> </u>	V _R = 15 V, Ta = 60°C
Capacitance	C ₁	6.40	_	7.20	рF	V _R = 1 V, f = 1 MHz
	C ₄	2.55		2.95		$V_R = 4 \text{ V, f} = 1 \text{ MHz}$
Capacitance ratio	n	2.20		_	_	C ₁ /C ₄
Series resistance	r _s		_	0.6	Ω	V _R = 1 V, f = 470 MHz

Main Characteristic



Package Dimensions



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