HVC369B

Variable Capacitance Diode for VCO

HITACHI

ADE-208-446B (Z) Rev.2 Mar. 2000

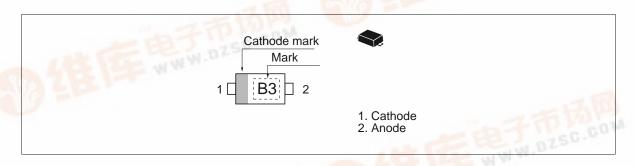
Features

- Low capacitance and to be usable at GHz.
- High capacitance ratio. (n = 2.3 min)
- Low series resistance. ($r_s = 0.5\Omega$ max)
- <u>Ultra small Flat Package (UFP) is suitable for surface mount design.</u>

Ordering Information

Type No.	Laser Mark	Package Code	
HVC369B	B3	UFP	一一七五年
		- EE	TTISC.CO
Outline			

Outline





HVC369B

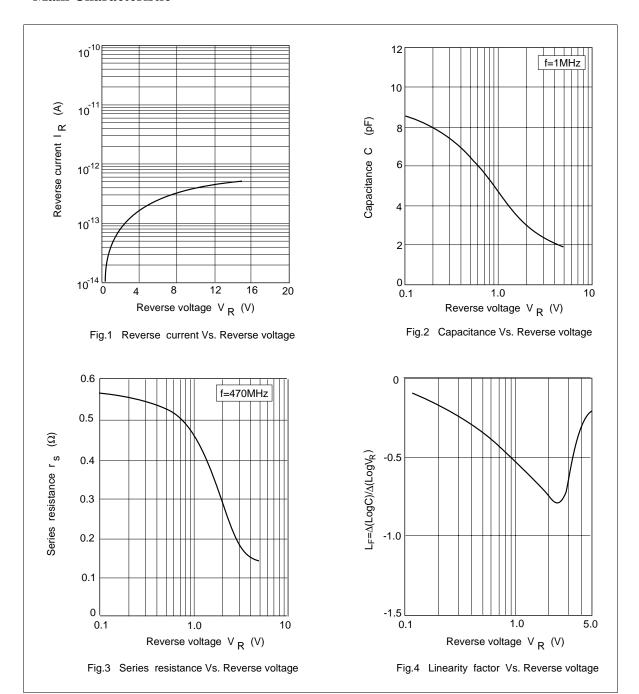
Absolute Maximum Ratings ($Ta = 25^{\circ}C$)

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° C)

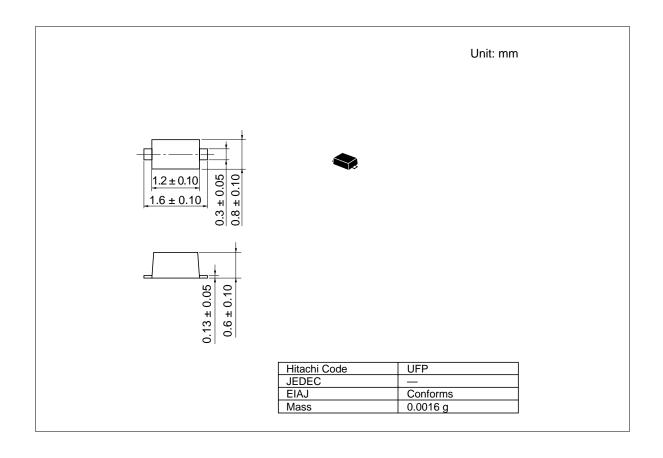
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _{R1}	_	_	10	nA	$V_R = 15V$
	I _{R2}	_	_	100		V _R = 15V, Ta = 60 °C
Capacitance	C ₁	4.65	_	5.15	pF	$V_R = 1V$, $f = 1 MHz$
	C ₄	1.85	_	2.15		$V_R = 4V, f = 1 MHz$
Capacitance ratio	n	2.3	_	_	_	C ₁ / C ₄
Series resistance	r _s	_	_	0.5	Ω	V _R = 1V, f = 470 MHz

Main Characteristic



HVC369B

Package Dimensions



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