HVC350B

Variable Capacitance Diode for VCO

HITACHI

ADE-208-414(Z) Rev 0 June 1996

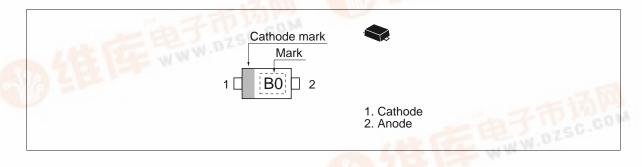
Features

- High capacitance ratio. (n = 2.8.min)
- Low series resistance. (rs=0.5 max)
- Good C-V linearity.
- Ultra small Flat Package (UFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code	
HVC350B	В0	UFP	一去物學
		A CEE WW	W.OZSC.CO
Outline			

Outline





HVC350B

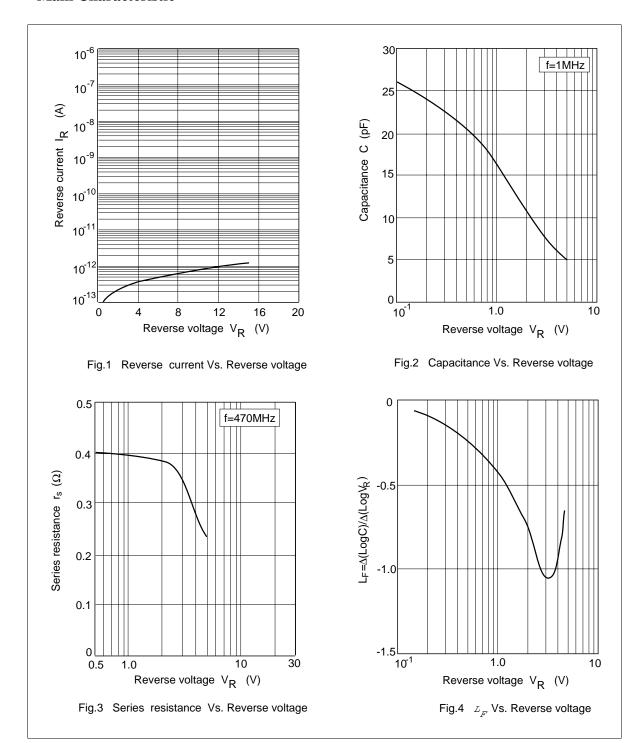
Absolute Maximum Ratings ($Ta = 25^{\circ}C$)

Item	Symbol	Value	Unit
Reverse voltage	V_R	15	V
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55Å`+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	15.5	_	17.0	pF	$V_R = 1V$, $f = 1 MHz$
	C ₄	5.0	_	6.0		$V_R = 4V, f = 1 MHz$
Capacitance ratio	n	2.8	_		_	C ₁ / C ₄
Series resistance	r _s	_	_	0.5	Ω	V _R = 1V, f = 470 MHz

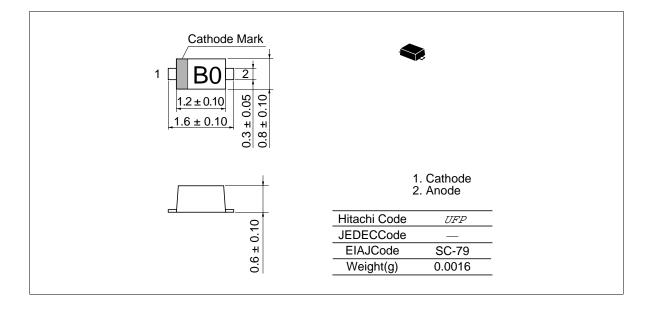
Main Characteristic



HVC350B

Package Dimensions

Unit: mm



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