
HVC372B

Variable Capacitance Diode for VCO

HITACHI

ADJ-208-497(Z)
Rev 0

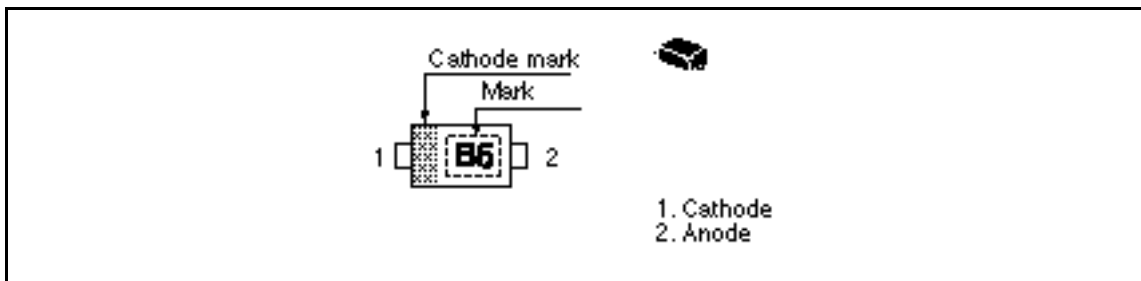
Features

- High capacitance ratio. ($n = 2.00$ min)
- Good linearity of C-V curve.
- Ultra small Flat Package (UFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code
HVC372B	B5	UFP

Outline



HVC372B

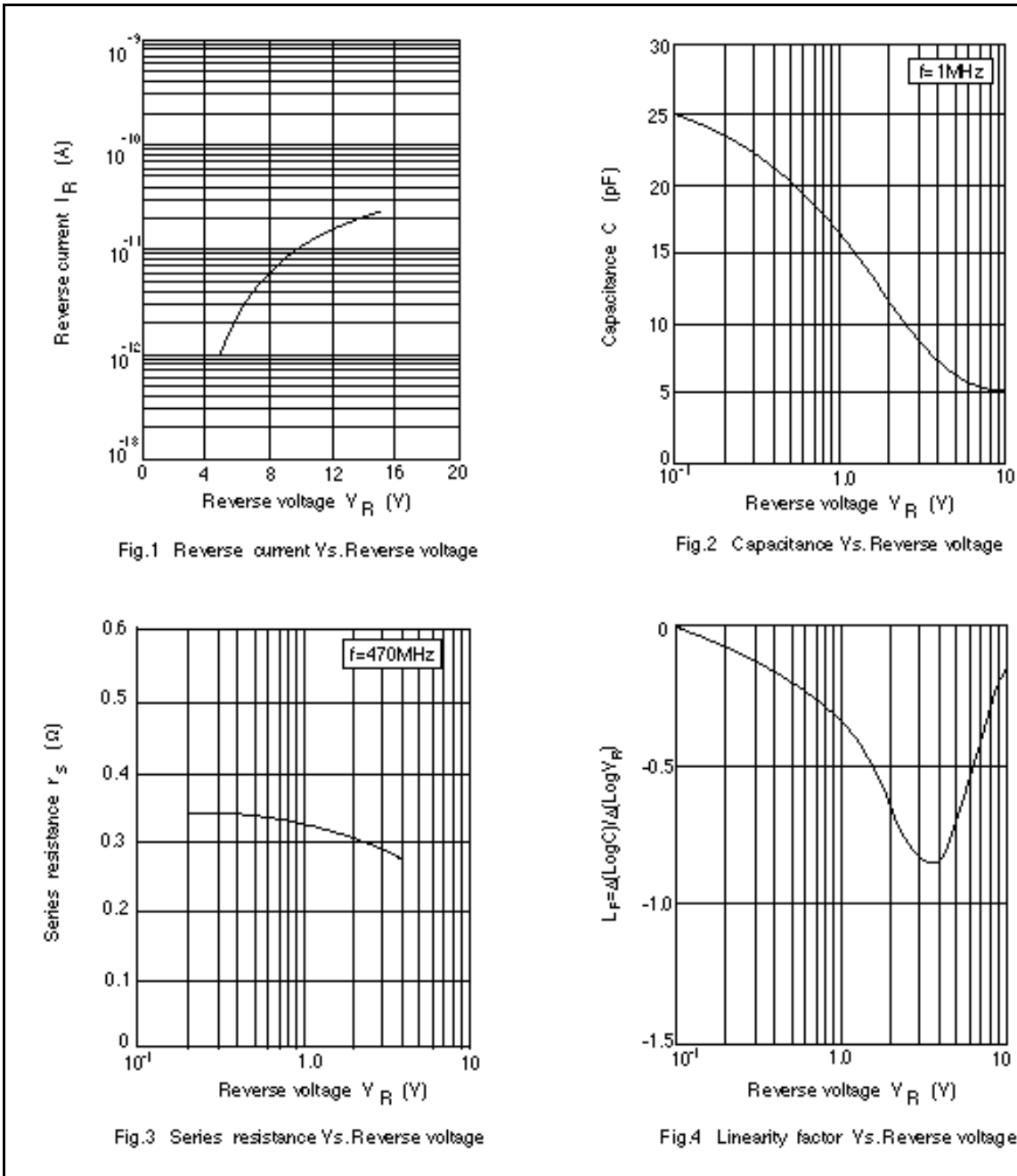
Absolute Maximum Ratings (Ta = 25°C)

Item	Symbol	Value	Unit
Reverse voltage	V_R	15	V
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C

Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse current	I_{R1}	—	—	10	nA	$V_R = 15V$
	I_{R2}	—	—	100		$V_R = 15V, T_a = 60\text{ °C}$
Capacitance	C_1	15.0	—	17.0	pF	$V_R = 1V, f = 1\text{ MHz}$
	C_4	7.00	—	8.50		$V_R = 4V, f = 1\text{ MHz}$
Capacitance ratio	n	2.00	—	—	—	C_1 / C_4
Series resistance	r_s	—	—	0.4		$V_R = 1V, f = 470\text{ MHz}$

Main Characteristic



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Package Dimensions

Unit : mm

