

Variable Capacitance Diode for VCO



ADE-208-416(Z) Rev 0 October 1996

Features

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

Ordering Information

Type No.	Laser Mark	Package Code
HVC355B	B1	UFP
Outline		
张库	Cathode mark	
		1. Cathode 2. Anode
维库	B37751300 NWW.DZSC.COM	DIE WWW.DZSC.U.

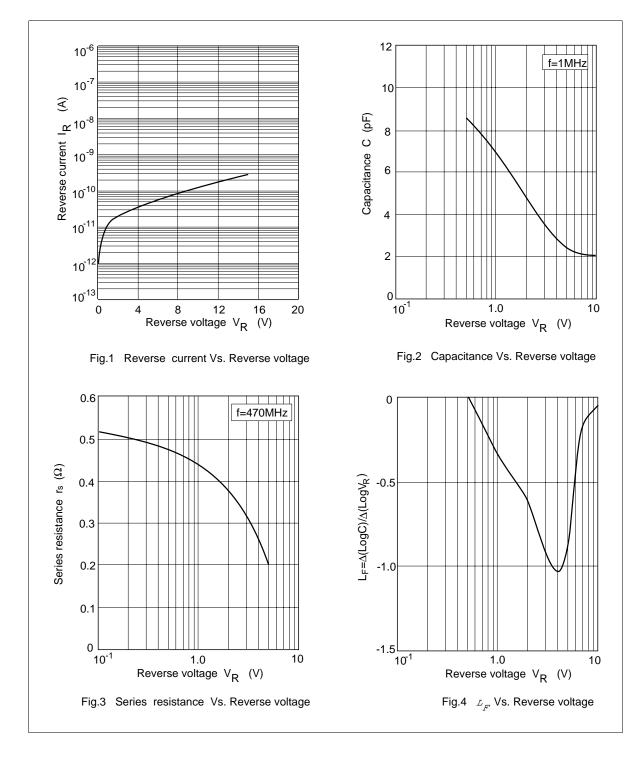


Absolute Maximum Ratings (Ta = 25° C)

ltem	Symbol	Value	Unit	
Reverse voltage	V _R	15	V	
Junction temperature	Тј	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	6.40	_	7.20	pF	$V_R = 1V$, f = 1 MHz
	C ₄	2.55	_	2.95		$V_{R} = 4V, f = 1 MHz$
Capacitance ratio	n	2.20	_	—	—	C ₁ / C ₄
Series resistance	r _s			0.6	Ω	V _R = 1V, f = 470 MHz

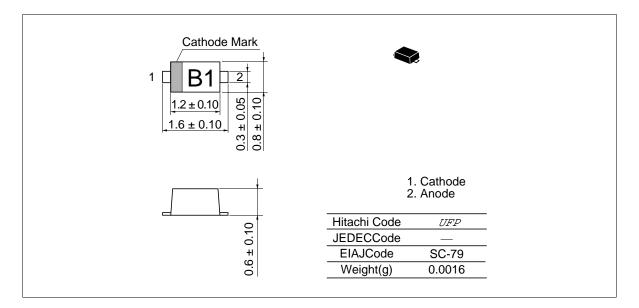


Main Characteristic

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Package Dimensions

Unit : mm



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