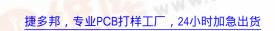
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HVC379B

Variable Capacitance Diode for VCO

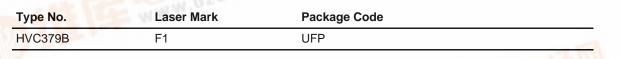


ADE-208-817 (Z) Rev 0 Aug. 1999

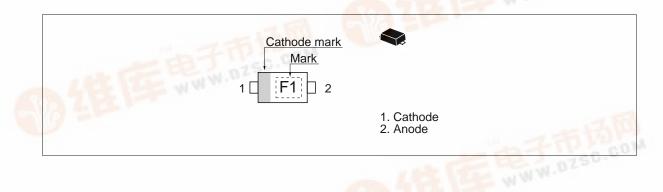
Features

- High capacitance ratio. (n =1.80min)
- Low series resistance. (rs=1.0Ωmax)
- <u>U</u>ltra small <u>F</u>lat <u>P</u>ackage (UFP) is suitable for surface mount design.

Ordering Information



Outline



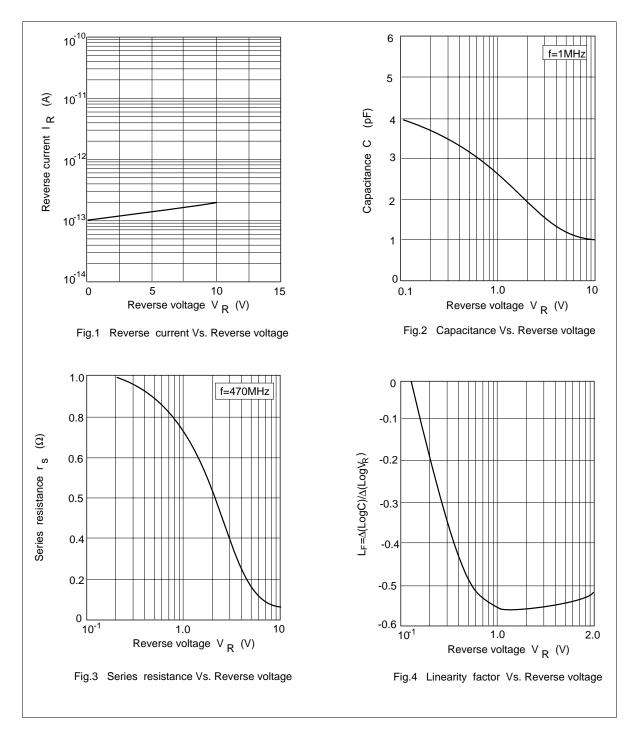


Absolute Maximum Ratings (Ta = 25° C)

Item	Symbol	Value	Unit
Reverse voltage	V _R	10	V
Junction temperature	Тј	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 = 10V
	I _{R2}	_	—	100		V _R = 10V, Ta= 60°C
Capacitance	C _{0.5}	2.90	_	3.20	pF	V _R = 0.5V, f = 1MHz
	C _{2.5}	1.25	—	1.53		$V_{R} = 2.5V, f = 1MHz$
Capacitance ratio	n	1.80	—	_	—	C _{0.5} /C _{2.5}
Series resistance	r _s	_	—	1.0	Ω	$V_{R} = 1V, f = 470MHz$

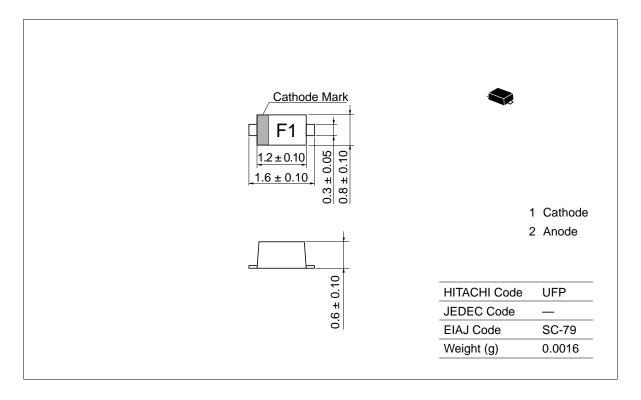


Main Characteristic

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Package Dimensions

Unit : mm



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