

HVD355B

Variable Capacitance Diode for VCO

REJ03G0498-0200 Rev.2.00 Jan 23, 2006

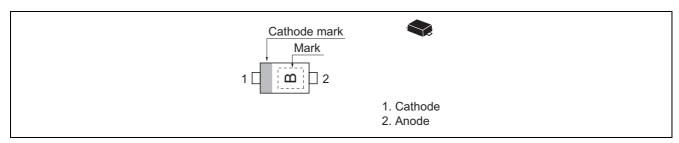
Features

- High capacitance ratio. (n = 2.20 min)
- Low series resistance. (rs = $0.60 \Omega \text{ max}$)
- Super small Flat Lead Package (SFP) is suitable for surface mount design.

Ordering Information

Type No. Laser Mark		Package Name	Package Code	
HVD355B	В	SFP	PUSF002ZB-A	

Pin Arrangement



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

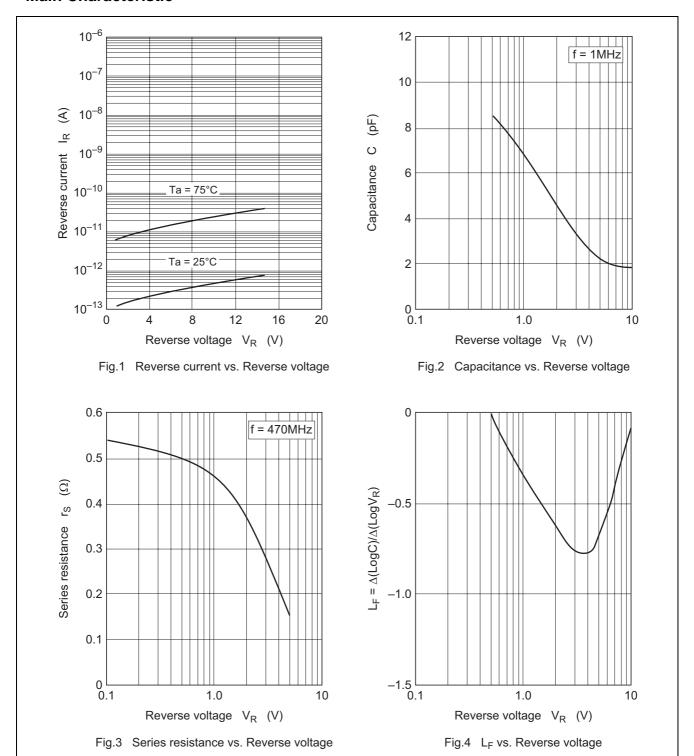
Electrical Characteristics

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

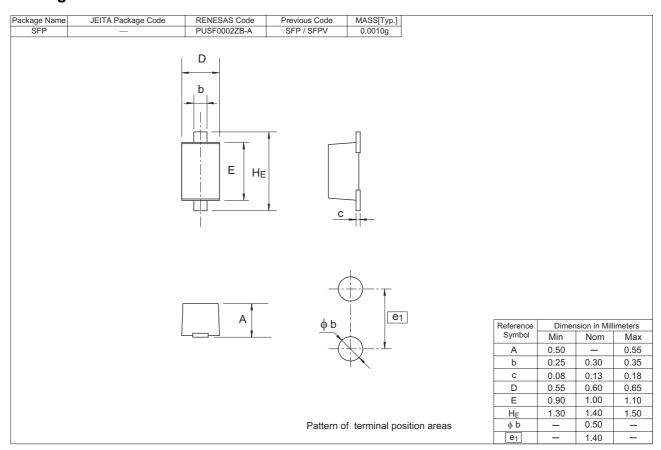
Item	Symbol	Min	Тур	Max	Unit	Test Condition	
Reverse current	I _{R1}	_	_	10	nA	V _R = 15 V	
	I _{R2}	_	_	100		V _R = 15 V, Ta = 60°C	
Capacitance	C ₁	6.40	_	7.20	pF	$V_R = 1 V, f = 1 MHz$	
	C ₄	2.55	_	2.95		$V_R = 4 \text{ V}, f = 1 \text{ MHz}$	
Capacitance ratio	n	2.20	_	_	_	C ₁ / C ₄	
Series resistance	r _S			0.60	Ω	V _R = 1 V, f = 470 MHz	

Note: For SFP package, the material of lead is exposed for cutting plane. There for, soldering nature of lead tip part is considered as unquestioned. Please kindly consider soldering nature.

Main Characteristic



Package Dimensions



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