<u>査询HVD396C供应商</u> RENESAS

HVD396C

Variable Capacitance Diode for VCO

REJ03G0213-0200 Rev.2.00 Mar 30, 2006

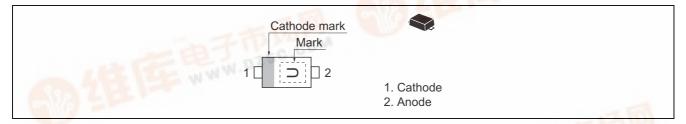
Features

- High capacitance ratio. (n = 2.62 min)
- Low series resistance. (rs = 0.40Ω max)
- Super small Flat Lead Package (SFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Name	Package Code
HVD396C	U	SFP	PUSF0002ZB-A

Pin Arrangement





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Absolute Maximum Ratings

			$(Ta = 25^{\circ}C)$
ltem	Symbol	Value	Unit
Reverse voltage	V _R	10	V
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

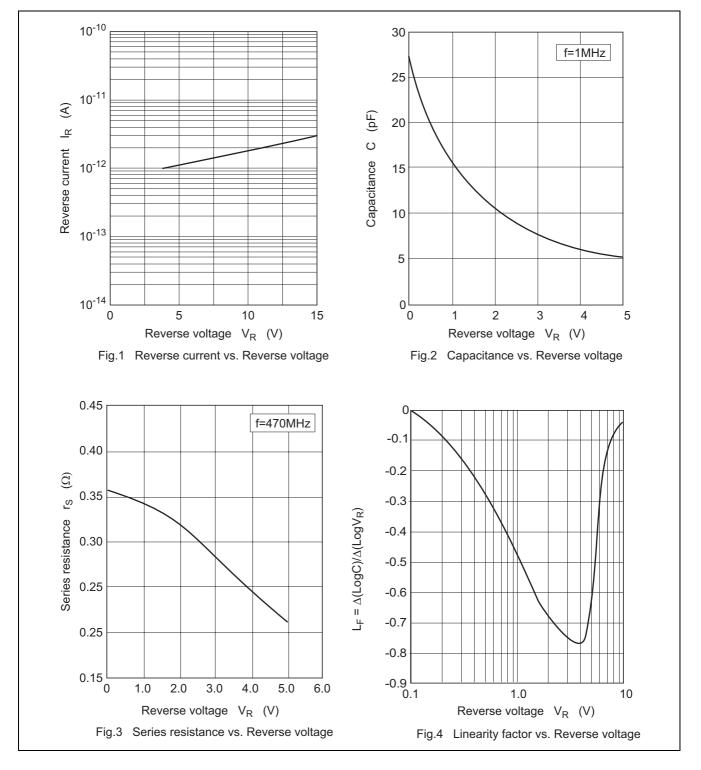
Electrical Characteristics

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

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _{R1}	—	—	10	nA	V _R = 10 V
	I _{R2}	—	—	50		V _R = 10 V, Ta = 60°C
Capacitance	C ₁	14.6	—	15.8	pF	$V_R = 1 V$, f = 1 MHz
	C ₄	5.20	—	5.80		$V_{R} = 4 V, f = 1 MHz$
Capacitance ratio	n	2.62	—	—	—	C ₁ / C ₄
Series resistance	r _S		—	0.40	Ω	V _R = 1 V, f = 470 MHz

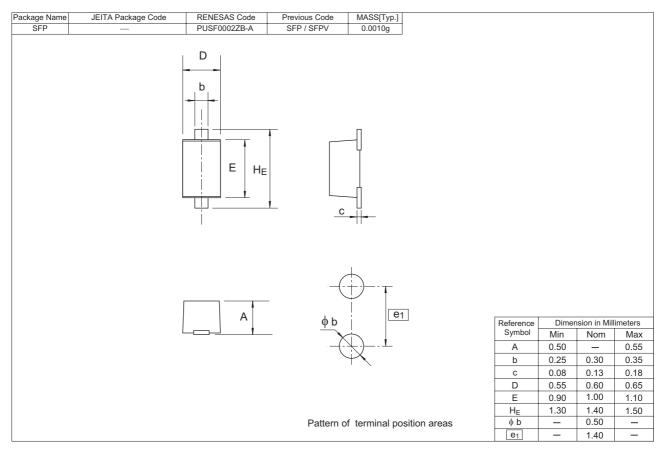
Note: For SFP package, the material of lead is exposed for cutting plane. There for, soldering nature of lead tip part is considered as unquestioned. Please kindly consider soldering nature.

Main Characteristic



HVD396C

Package Dimensions



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