

HVD400C

Variable Capacitance Diode for VCO

REJ03G0220-0100Z Rev.1.00 Apr 22, 2004

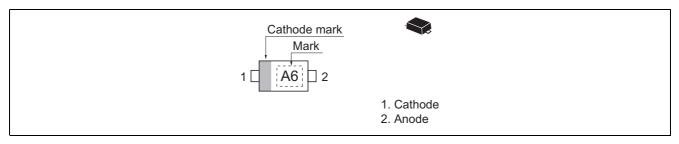
Features

- High capacitance ratio. (n = 1.60 min)
- Low series resistance. (rs = 0.70Ω max)
- Super small Flat Package (SFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code
HVD400C	A6	SFP

Pin Arrangement





Absolute Maximum Ratings

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

ltem	Symbol	Value	Unit
Reverse voltage	V _R	15	V
Junction temperature	Tj	125	°C
Storage temperature	Tstg	–55 to +125	°C

Electrical Characteristics

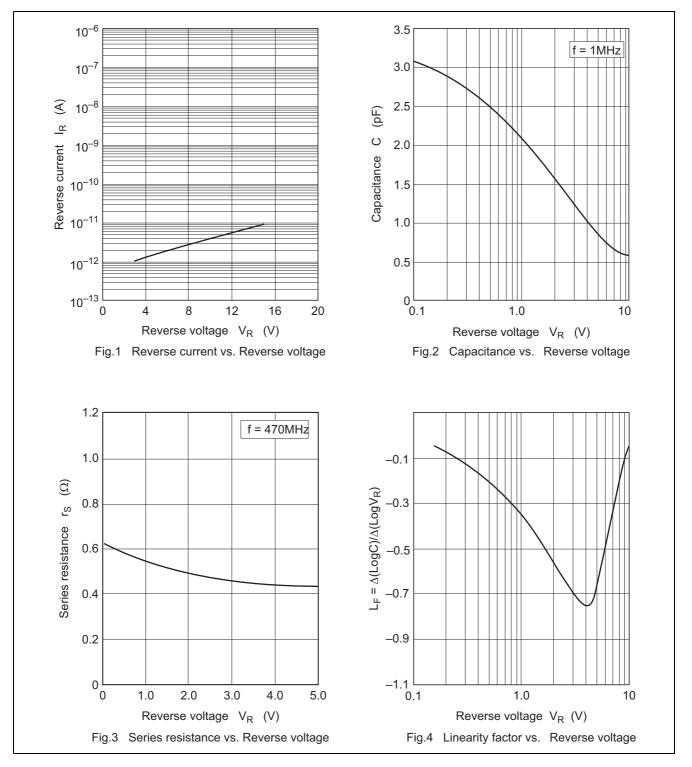
						$(Ta = 25^{\circ}C)$
ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _{R1}		—	10	nA	V _R = 15 V
	I _{R2}		—	50		V _R = 15 V, Ta = 60°C
Capacitance	C ₁	2.05	—	2.24	pF	V _R = 1 V, f = 1 MHz
	C ₃	1.18	—	1.29		$V_{R} = 3 V, f = 1 MHz$
Capacitance ratio	n	1.60	—	1.85	_	C ₁ / C ₃
Series resistance	rs	_	_	0.70	Ω	V _R = 1 V, f = 470 MHz

Notes: 1. Please do not use the soldering iron due to avoid high stress to the SFP package.

2. 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.

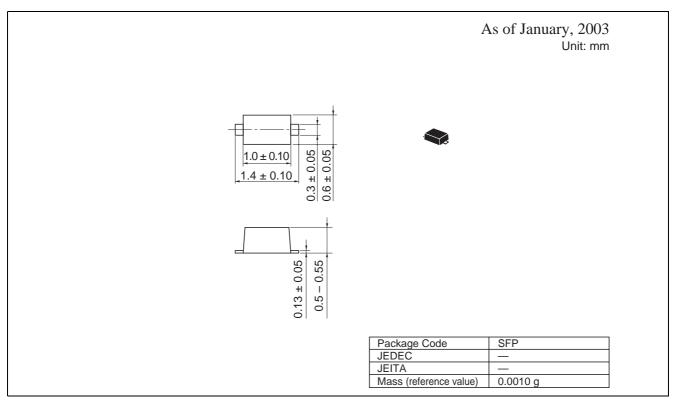


Main Characteristic



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Package Dimensions





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