

HVL385C

Variable Capacitance Diode for VCO

REJ03G0225-0200 Rev.2.00 Mar 03, 2006

Features

- High capacitance ratio. (n = 2.43 min)
- Low series resistance. (rs = 0.75Ω max)
- Extremely small Flat Lead Package (EFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Name	Package Code
HVL385C	Т	EFP	PXSF0002ZA-A

Pin Arrangement

Cathode mark	
	1. Cathode 2. Anode



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

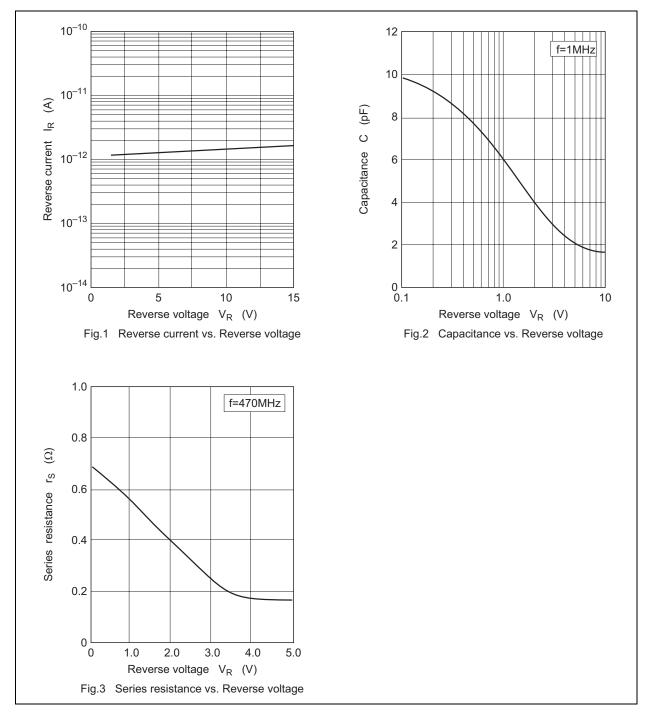
Electrical Characteristics

 $(Ta = 25^{\circ}C)$ Symbol Unit **Test Condition** Item Min Тур Max $V_R = 10 V$ Reverse current 10 I_{R1} nA _ 100 V_R = 10 V, Ta = 60°C I_{R2} ____ ____ Capacitance C_{0.5} 7.30 7.70 $V_R = 0.5 V, f = 1 MHz$ pF 2.90 3.18 $V_R = 2.5 V, f = 1 MHz$ $C_{2.5}$ _ Capacitance ratio 2.43 ___ 2.57 _ C_{0.5} / C_{2.5} n Series resistance _ 0.75 Ω V_R = 1 V, f = 470 MHz r_s _

Note: For EFP 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.

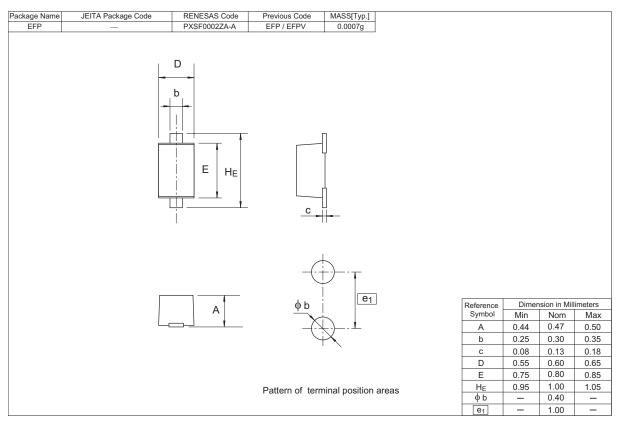


Main Characteristic





Package Dimensions





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