

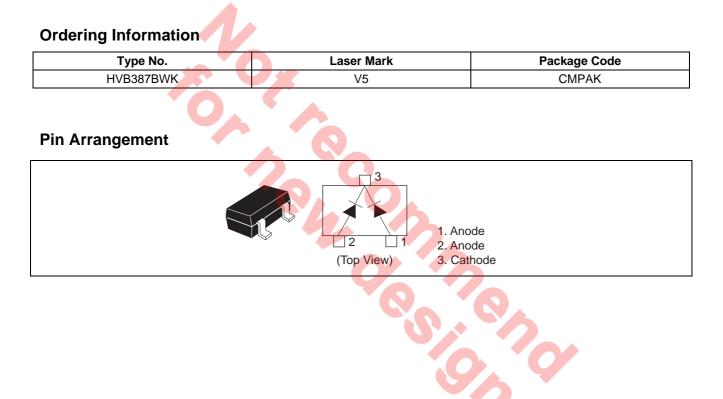
HVB387BWK

Variable Capacitance Diode for VCO

REJ03G0488-0200 (Previous: ADE-208-1174A) Rev.2.00 Jan 12, 2005

Features

- Low capacitance and to be usable at GHz.
- High capacitance ratio. (n = 1.80 min)
- Low series resistance. (rs = 1.20Ω max)
- CMPAK Package is suitable for high density surface mounting and high speed assembly.





Absolute Maximum Ratings *1

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

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

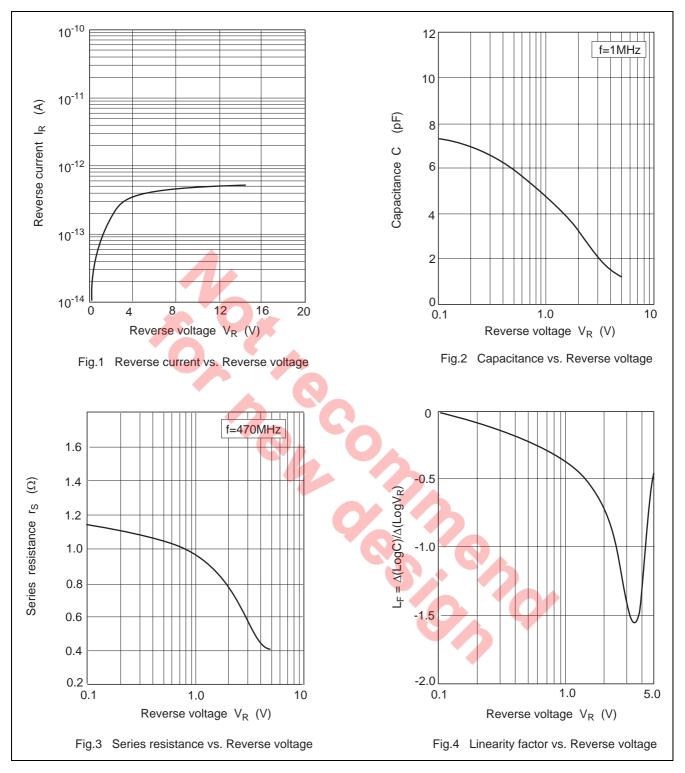
Note: 1. Per one device.

Electrical Characteristics *1

•			_			$(Ta = 25^{\circ}C)$
ltem	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	4.50		5.00	pF	V _R = 1 V, f = 1 MHz
	C ₃	1.85	_	2.80		$V_{R} = 3 V, f = 1 MHz$
Capacitance ratio	n 📕	1.80	_	2.60		C ₁ / C ₃
Series resistance	rs		<u> </u>	1.20	Ω	V _R = 1 V, f = 470 MHz

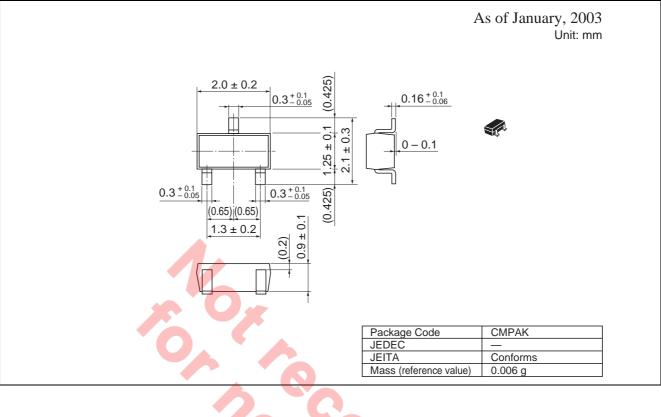


Main Characteristic





Package Dimensions





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