To our customers,

Old Company Name in Catalogs and Other Documents

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Renesas Electronics website: http://www.renesas.com

April 1st, 2010 Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (http://www.renesas.com)

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RENESAS

HVC363B

Variable Capacitance Diode for TV tuner

REJ03G0100-0100Z (Previous: ADE-208-420) Rev.1.00 Sep.29.2003

Features

- Low matching error. ($\Delta C/C = 2.0\%$ max)
- High capacitance ratio. (n = 13.7 min)
- Low series resistance. (rs = $0.75 \Omega \text{ max}$)
- <u>U</u>ltra small <u>Flat Package</u> (UFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code
HVC363B	A3	UFP

Pin Arrangement

Cathode mark	
	1. Cathode 2. Anode



Absolute Maximum Ratings

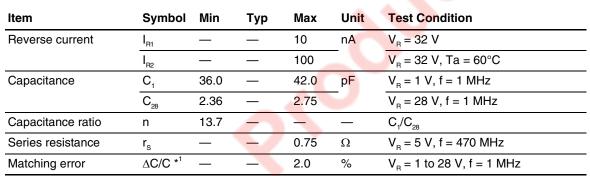
 $(Ta = 25^{\circ}C)$

Symbol	Value	Unit	
V _{BM} *1	35	V	
V _R	32	V	
Tj	125	°C	
Tstg	-55 to +125	°C	
	V _{RM} * ¹ V _R Tj	V _{RM} *1 35 V _R 32 Tj 125	V _{RM} *1 35 V V _R 32 V Tj 125 °C

Note: 1. $R_L = 10 \text{ k}\Omega$

Electrical Characteristics

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

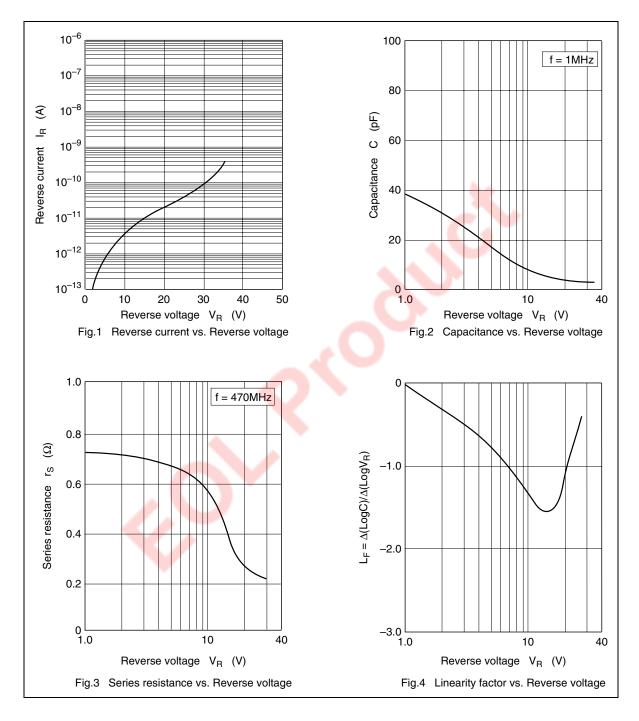


Note: 1. C.C system (Continuous Connected taping system) enable to make any 10 pcs of ∆C/C continuous in a reel, expect extention to another group. Calculate Matching Error,

$$\Delta C/C = \frac{(Cmax - Cmin)}{Cmin} \times 100 \ (\%)$$



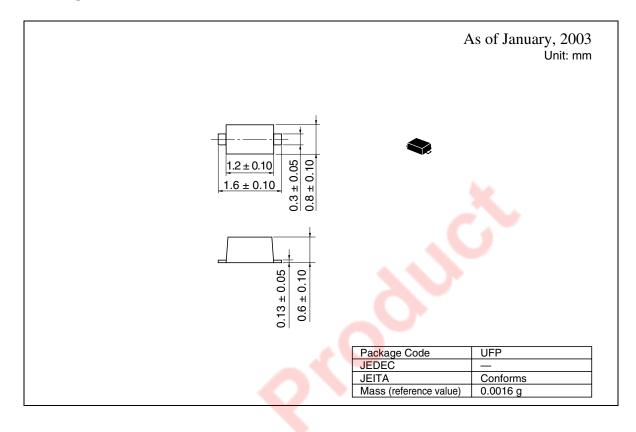
Main Characteristic





HVC363B

Package Dimensions





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Keep safety first in your circuit designs!

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