HVU350B

Variable Capacitance Diode for VCO

HITACHI

ADE-208-430A(Z) Rev 1 Nov. 1998

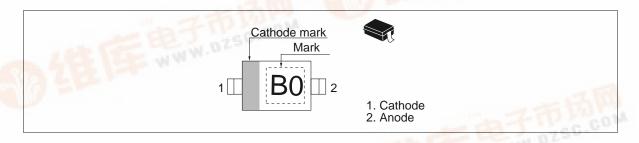
Features

- High capacitance ratio. (n = 2.8 min)
- Low series resistance. (rs= 0.5Ω max).
- Good C-V linearity.
- Ultra small Resin Package (URP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Code	
HVU350B	В0	URP	一去物門
		传信电	W.DZSC.CO
Outline			

Outline





HVU350B

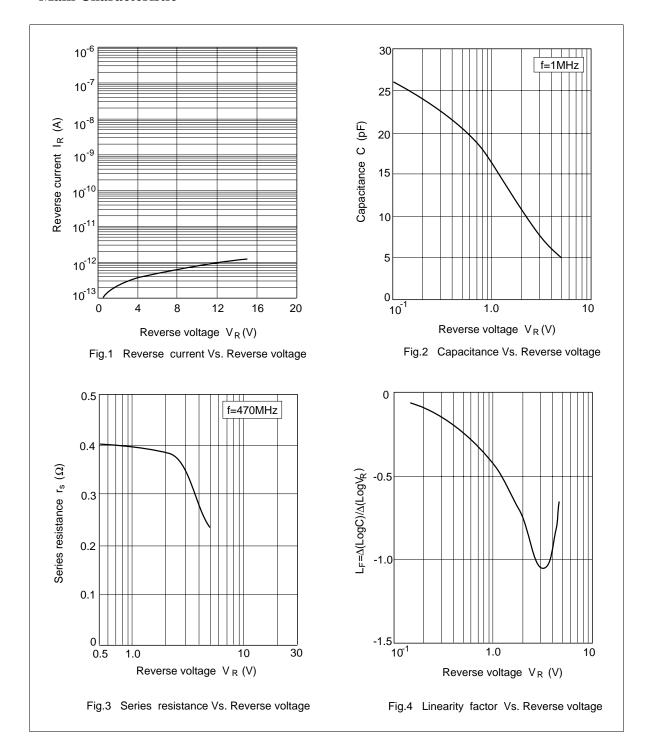
Absolute Maximum Ratings ($Ta = 25^{\circ}C$)

Item	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° C)

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I _{R1}	_	_	10	nA	$V_R = 15V$
	I _{R2}	_	_	100		V _R = 15V, Ta = 60 °C
Capacitance	C ₁	15.5	_	17.0	pF	$V_R = 1V$, $f = 1 MHz$
	C ₄	5.0	_	6.0		$V_R = 4V, f = 1 MHz$
Capacitance ratio	n	2.8	_	_	_	C ₁ / C ₄
Series resistance	r _s	_	_	0.5	Ω	V _R = 1V, f = 470 MHz

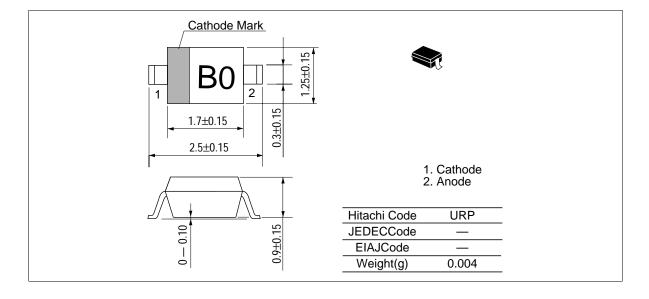
Main Characteristic



HVU350B

Package Dimensions

Unit: mm



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