

HVU417C

Variable Capacitance Diode for tuner

REJ03G0524-0100 (Previous: ADE-208-1521) Rev.1.00 Feb 24, 2005

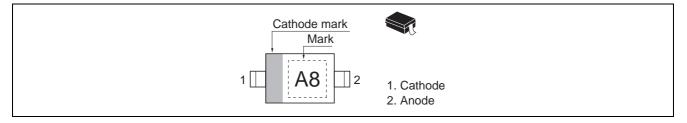
Features

- High capacitance ratio. (n = 13.00 min)
- Ultra small Resin Package (URP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Name	Package Code (Previous Code)
HVU417C	A8	URP	PTSP0002ZA-A
			(URP)

Pin Arrangement





Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Reverse voltage	V _R	30	V
Junction temperature	Tj	125	°C
Storage temperature	Tstg	–55 to +125	°C

Electrical Characteristics

 $(Ta = 25^{\circ}C)$ Item Symbol Max Unit **Test Condition** Min Тур 10 V_R = 25 V Reverse current I_{R1} nA ____ — 100 V_R = 25 V, Ta = 60°C I_{R2} ____ — Capacitance $C_{1} \\$ 7.80 9.40 V_R = 1 V, f = 1 MHz ____ pF C_{25} 0.50 0.60 V_R = 25V, f = 1 MHz ____ Capacitance ratio 13.00 C₁ / C₂₅ n _ ___ Series resistance 1.50 V_R = 5 V, f = 470 MHz rs — Ω ____ $\Delta C/C *^1$ _ 6.00 % V_{R} = 1 to 25 V, f = 1 MHz Matching error ____

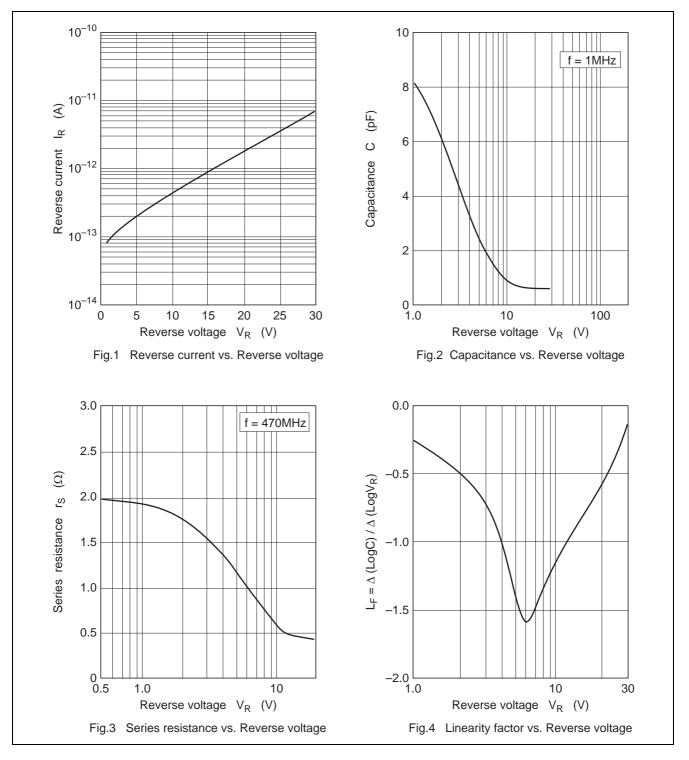
 Note: 1. C.C system (Continuous Connected taping system) enable to make any 10 pcs of ∆C/C continuous in a reel, expect extention to another group. Calculate Matching Error,

Calculate Matching Erro

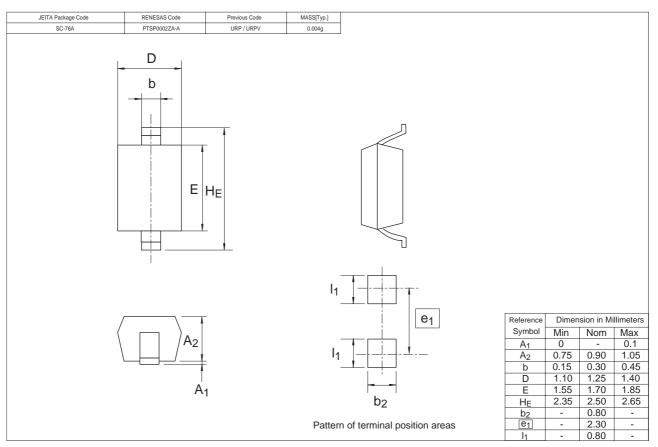
$$\Delta C/C = \frac{(Cmax - Cmin)}{Cmin} \times 100 \ (\%)$$



Main Characteristic



Package Dimensions





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