

Preliminary Specification of CHIP MULTILAYER ANTENNA

Preliminary SPEC No. : NAN68-PA0001C

Part Number : see below table

Written by R. Imai

Checked by T. Isa

Date 4/Sep./2007

C>1reel : 3,000pcs

A>Rev. by Y.K. on 09/Sep./'09, B>Rev. by Y.K. on 30/Oct./'09, C>Rev. by M.K. on 12/Aug./'10

Please refer to the latest specification before using this product since the preliminary specification could be revised without notice.

This is a preliminary specification of LDA31 series for 2.4GHz band.

1. Electrical Characteristics (at -40 degree C to +85 degree C)

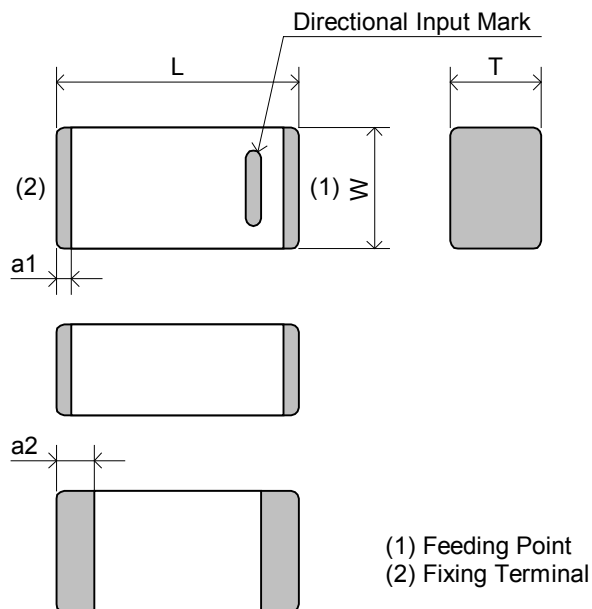
Murata P/N	Center frequency [MHz]	Tolerance of center frequency [MHz]	Nominal Impedance [ohm]	Power Capacity [mW max]
LDA312G7313F-237	2730	+/- 68	50	500
LDA313G0313F-240	3030	+/- 76		
LDA313G3313F-243	3330	+/- 84		

Murata P/N	Center frequency [MHz]	Tolerance of center frequency [MHz]	Nominal Impedance [ohm]	Power Capacity [mW max]
LDA315G2013F-246	5200	+/- 135	50	500
LDA316G2013F-250	6200	+/- 162		

Note: The above-mentioned values have been obtained according to our own measuring methods (testing jig: Fig.1, Fig.2 ,Zo=50 W) and may vary depending on the circuit, in which this component is actually incorporated. You are, therefore, kindly requested to test the performance of this component incorporating in your set.

2. Construction, Dimensions & Marking

B>

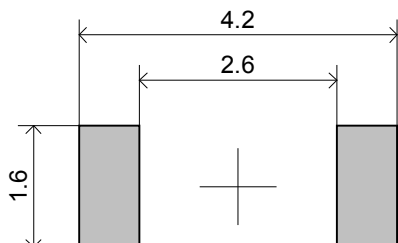


Mark	Dimension [mm]
L	3.2 +/-0.2
W	1.6 +/-0.2
T	1.2 +0.1/-0.2
a1	0.2 +/-0.2
a2	0.5 +/-0.2

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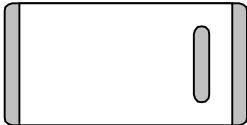
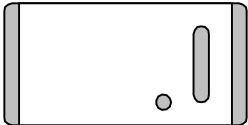
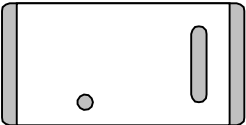
3. Land Pattern

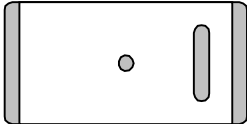
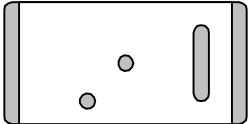


Land

Unit: mm

4. Marking

LDA312G7313F-237	LDA313G0313F-240	LDA313G3313F-243
		

LDA315G2013F-246	LDA316G2013F-250
	

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A>

5. Standard PWB

[LDA312G7313F-237]

[LDA313G0313F-240]

[LDA313G3313F-243]

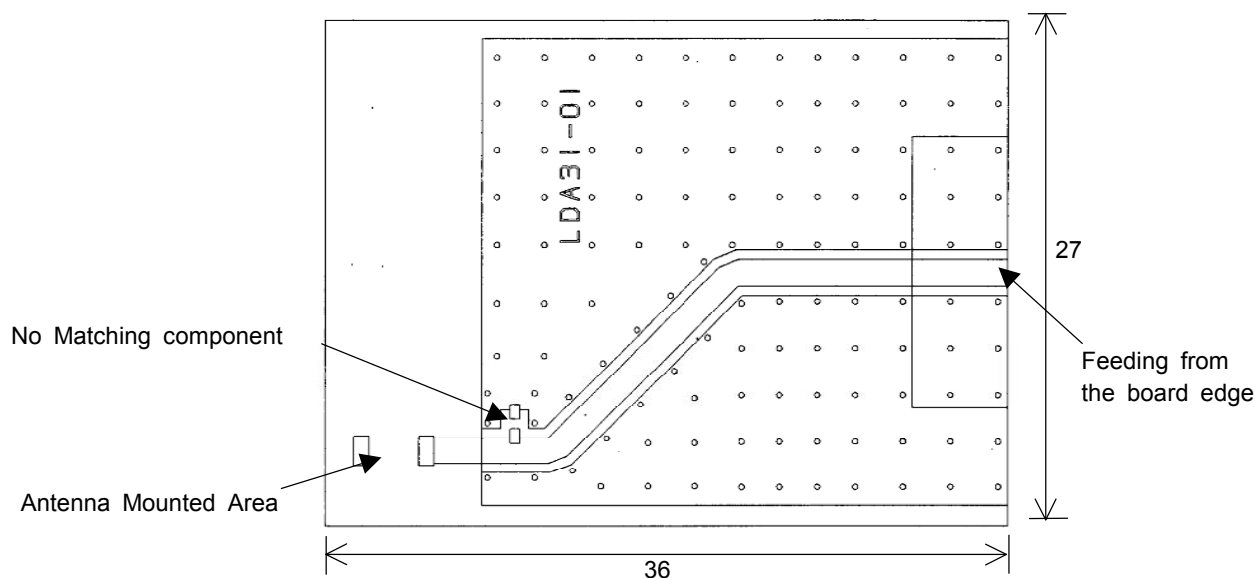


Fig.1

[LDA315G2013F-246]

[LDA316G2013F-250]

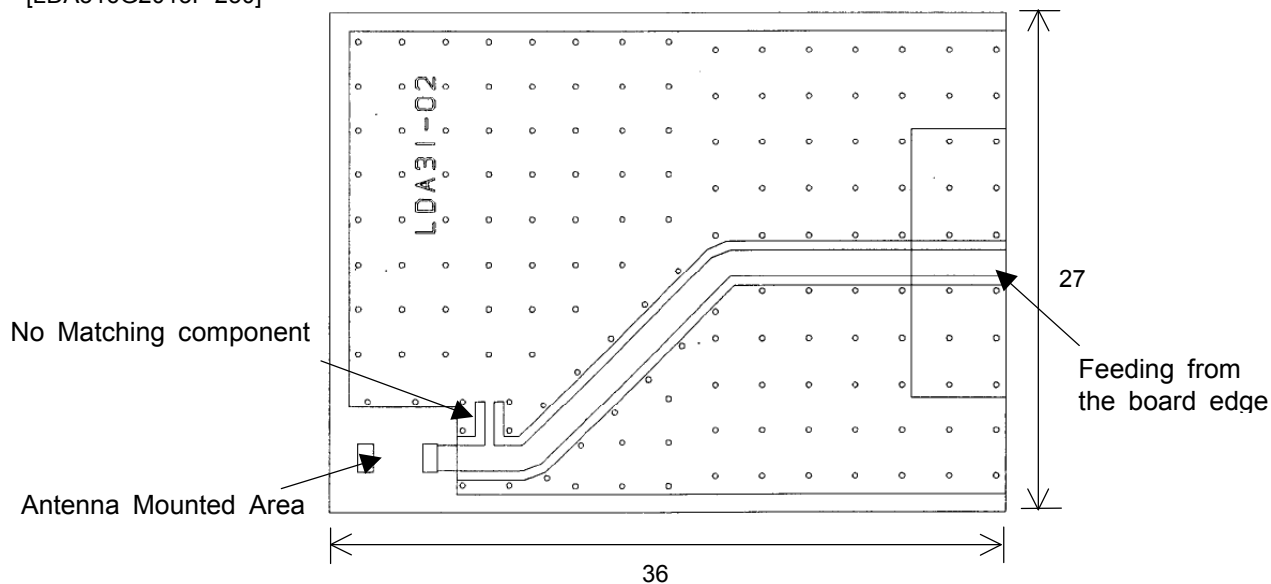


Fig.2

Tolerances Unless
Otherwise Specified: +/-1.0
Unit: mm

Note: Impedance of signal lines should be 50 ohms including land pattern. The standard condition is applying the glass epoxy board (t = 1.0 mm, dielectric constant = 4.8, copper plating on both surfaces) and the land patterns are connected to 50 ohms micro-strip lines on back side surface through the via hole.