

Specification of CHIP DIELECTRIC ANTENNA

SPEC No. :NAN68-PC0332F

Part Number :ANCW12G45SAA117TT1/RD3

***: TT1: Bulk package / RD3: 3000pcs/reel

A>: Rev. by J.K on 5th/Dec/'03, B>: Rev. by R.I. on 8/Sep./04, C>: Rev. by R.I. on 30/Nov./04, D>: Rev. by R.I. on 1/Dec./04

E>: Rev. by R.I. on 24/Dec./04, F>: Rev. by E.M. on 19/Jan./05

Written by S. Ito

Checked by Y. Kushihi

Date 19/Mar./2003

1. Electrical Characteristics

A>

Operation Temp	-40 to +85 degree C
Polarization	Linear
Frequency (Fo)	2450MHz.
Band Width (BW)	F0 +/- 50MHz.
V.S.W.R at BW	2.5 max.
Impedance	50 Ω

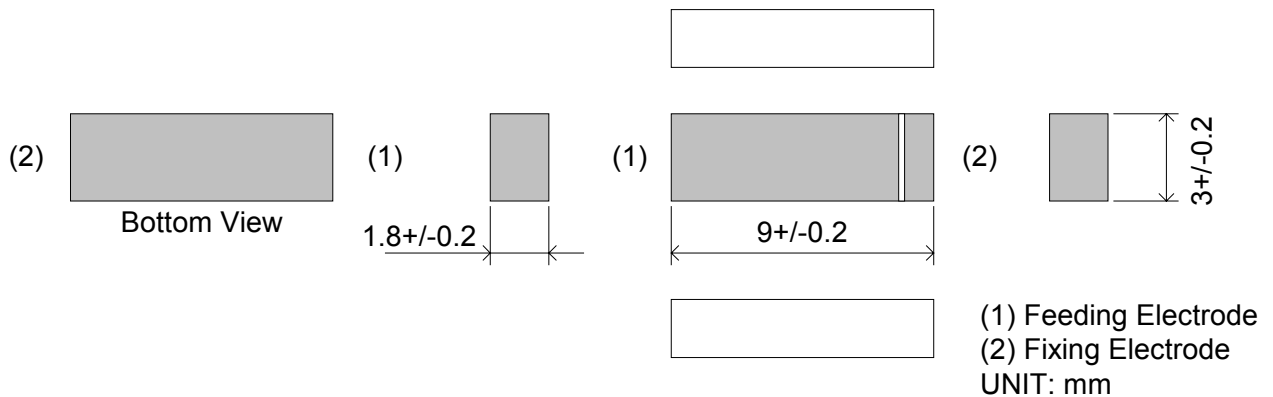
Note 1: This electrical characteristics are influenced by the land pattern, PCB size, case and so on.

Note 2: This electrical characteristics are guaranteed with our standard measurement conditon which is used our standard land pattern and PCB in Section 2.2 and 2.3.

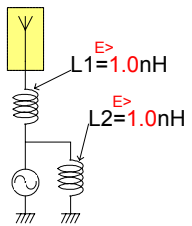
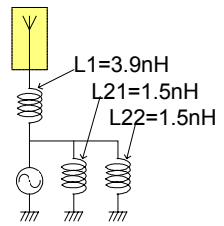
2. Mechanical

2.1.Dimensions

A>B>F>



A>C> Matching Circuit

Application	2.4GHz W-LAN / BT	PHS
Matching Circuit	 L1=1.0nH L2=1.0nH	 L1=3.9nH L21=1.5nH L22=1.5nH
Frequency (Fo)	2425MHz.	1913MHz
Band Width (BW)	225MHz (VSWR < 3)	100MHz (VSWR < 3)

Note 1: This electrical characteristics are guaranteed with our standard measurement conditon which is used our standard land pattern and PCB in Section 2.2 and 2.3.

Preliminary Specification of CHIP DIELECTRIC ANTENNA

Preliminary SPEC No. :NAN68-PC0332F

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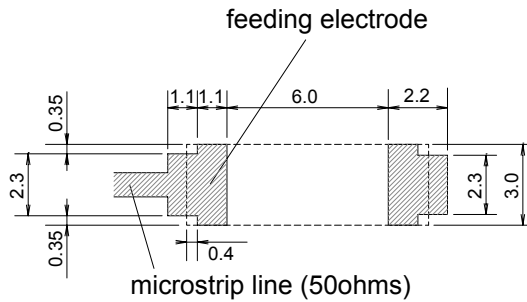
Written by S. Ito

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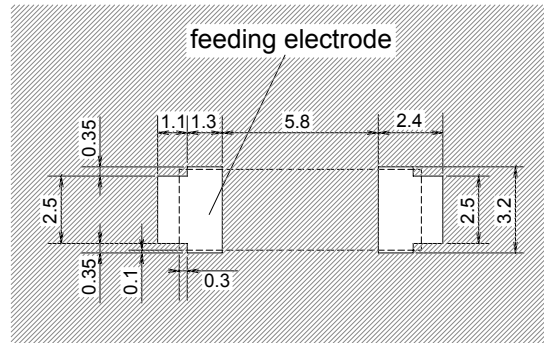
Date 19/Mar./2003

2.2. Standard lands pattern and resist pattern

A>



recommended land pattern of PCB



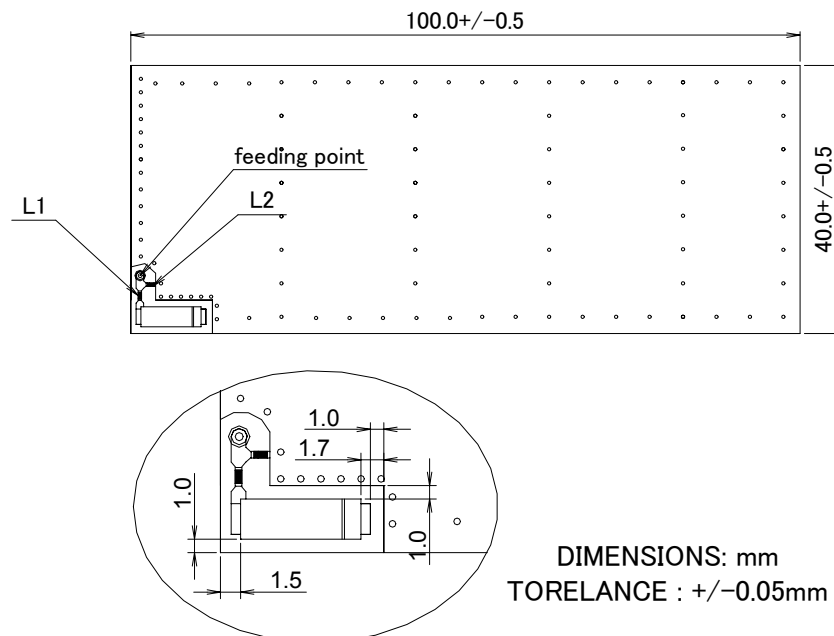
recommended solder-resist pattern

DIMENSIONS : mm

TOLERANCE : +/-0.05mm

2.3. Standard PCB

A>F>



DIMENSIONS: mm
TORELANCE : +/-0.05mm

Substrate : FR-4 (Both Printed)

Thickness : 1.0mm (Thickness of copper isb 0.035mm)