

Specification of CHIP DIELECTRIC ANTENNA

 SPEC No.
 :NAN68-PC0332F

 Part Number
 :ANCW12G45SAA117TT1/RD3

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

Written by S. Ito
Checked by Y. Kushihi
Date 19/Mar./2003

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

1. Electrical Characteristics

Α>

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	

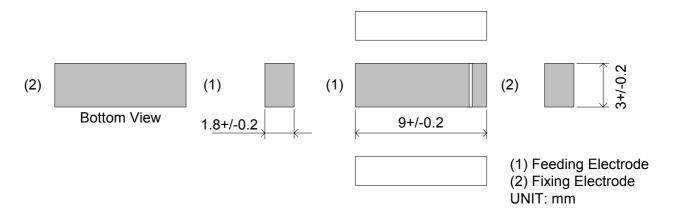
Note 1: This electrical characteristics are influenced by the land pattern, PCB size, case and so on.

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	100MHz
	(VSWR < 3)	(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

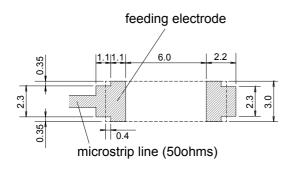
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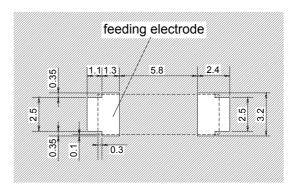
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2.2. Standard lands pattern and resist pattern $_{\mbox{\tiny A>}}$



recommended land pattern of PCB

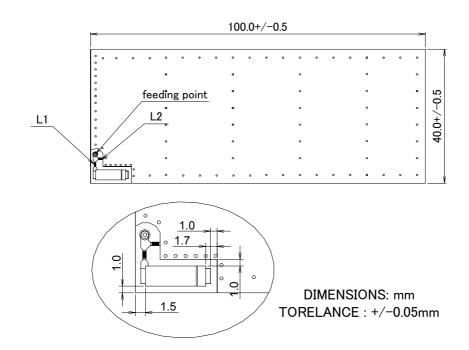


recommended solder-resist pattern

DIMENSIONS : mm

TOLERANCE: +/-0.05mm

2.3. Standard PCB A>F>



Substrate: FR-4 (Both Printed)

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