

# Dielectric Chip Antenna



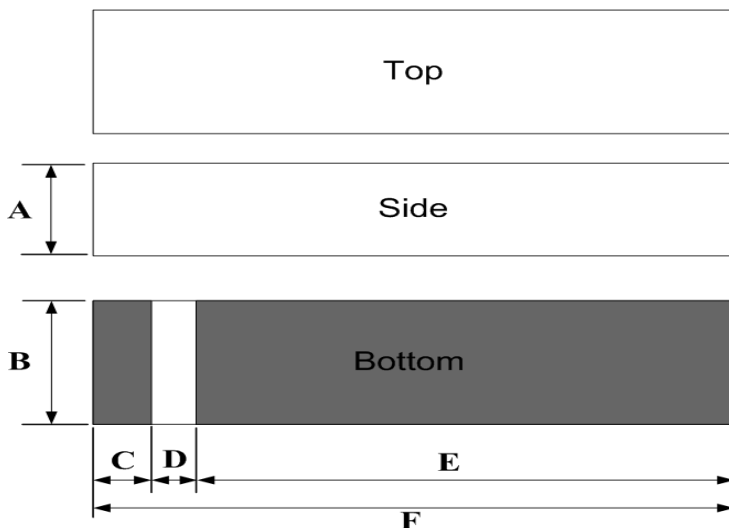
## ■ P/N : ACSUMTS2LCBXX

This specification covers the dielectric chip antenna ACSUMTS2LCBXX used in UMTS II

## ■ Test Result for ACSUMTS2LCBXX

ITEM				SPEC	
Frequency Range(MHz)				1850 ~ 1910(RX)	1930 ~ 1990(TX)
SWR				2.0 : 1	2.0 : 1
Polarization				Linear	Linear
3D Average Gain(dBi)				-1.43	-1.27
Gain	Azimuth	Theta	Peak	1.28	1.58
			Average	-2.26	-2.20
		Phi	Peak	0.82	0.55
			Average	-2.67	-3.02
	Elevation 1	Theta	Peak	0.76	0.55
			Average	-1.81	-1.98
		Phi	Peak	-0.95	-1.00
			Average	-5.69	-5.58
	Elevation 2	Theta	Peak	0.02	-0.05
			Average	-11.54	-11.45
		Phi	Peak	0.98	2.03
			Average	-2.98	-2.24

## ■ MECHANICAL DIMENSION (unit : mm, tolerance : +/- 0.15)

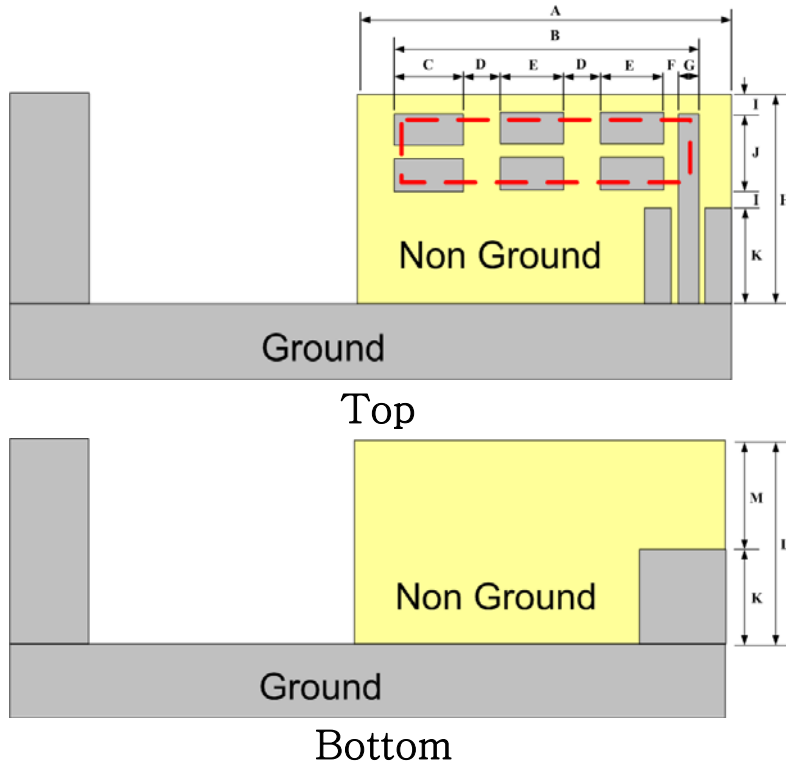


A	2.5
B	3.0
C	1.0
D	1.0
E	10.0
F	12.0

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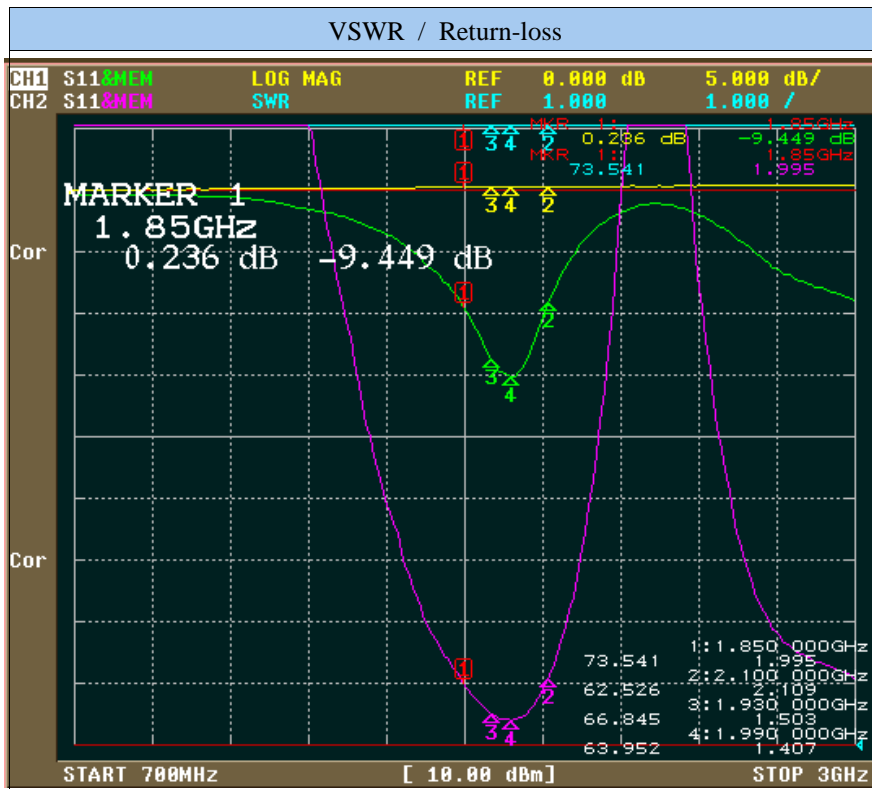


## FEEDING METHOD (unit : mm, tolerance : +/- 0.05)



A	15.
B	12.4
C	2.7
D	2.0
E	2.5
F	0.5
G	1.0
H	10.2
I	1.0
J	3.4
K	5.0
L	10.2
M	5.2

## VSWR/Return-loss



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## Radiation Pattern

