

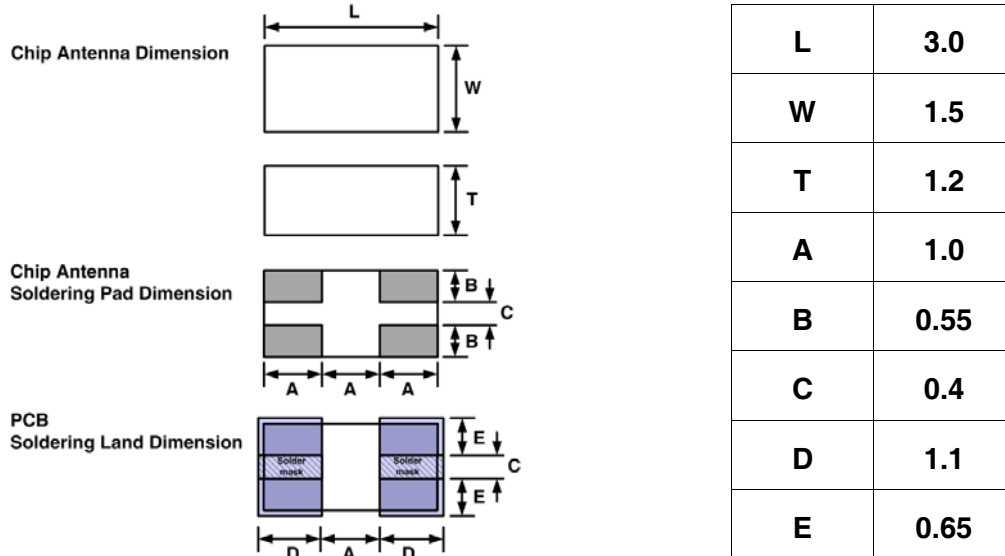
# Dielectric Chip Antenna



## ■ P/N : ODGPTR3015

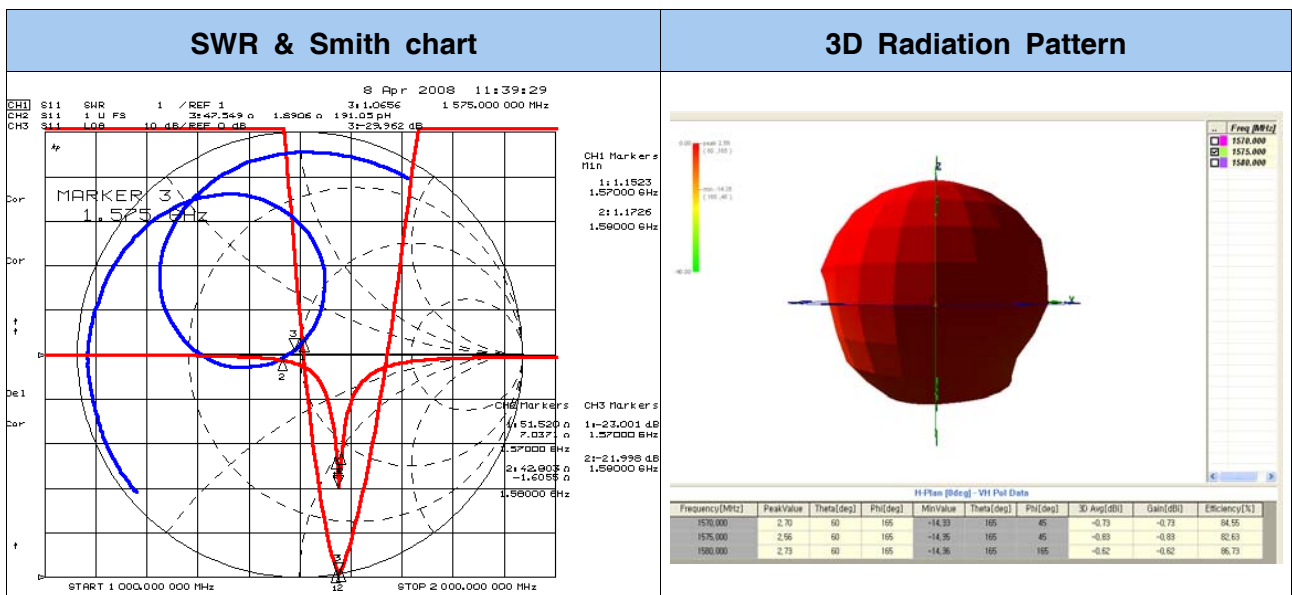
This specification covers the dielectric chip antenna ODGPTR3015 used in GPS

## ■ MECHANICAL DIMENSION (unit : mm, tolerance : ± 0.1)



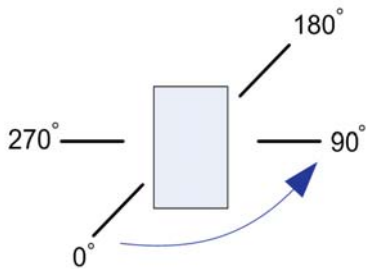
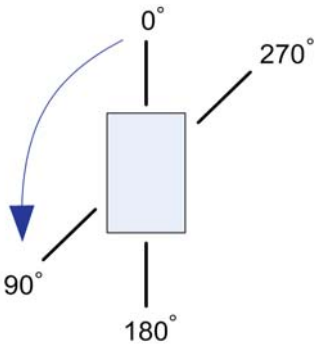
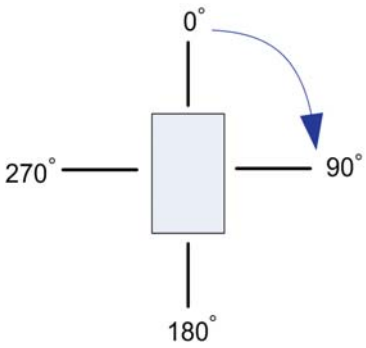
## ■ ELECTRICAL CHARACTERISTICS

ITEM		SPEC		
Frequency Range		1570 ~ 1580 MHz		
VSWR		2:1 Max		
Polarization		Linear		
Frequency [MHz]		1570	1575	1580
Gain [dBi]	Peak	2.70	2.56	2.73
	Average	-0.73	-0.83	-0.62
Efficiency [%]		84.55	82.63	86.73



## ELECTRICAL CHARACTERISTICS (2D)

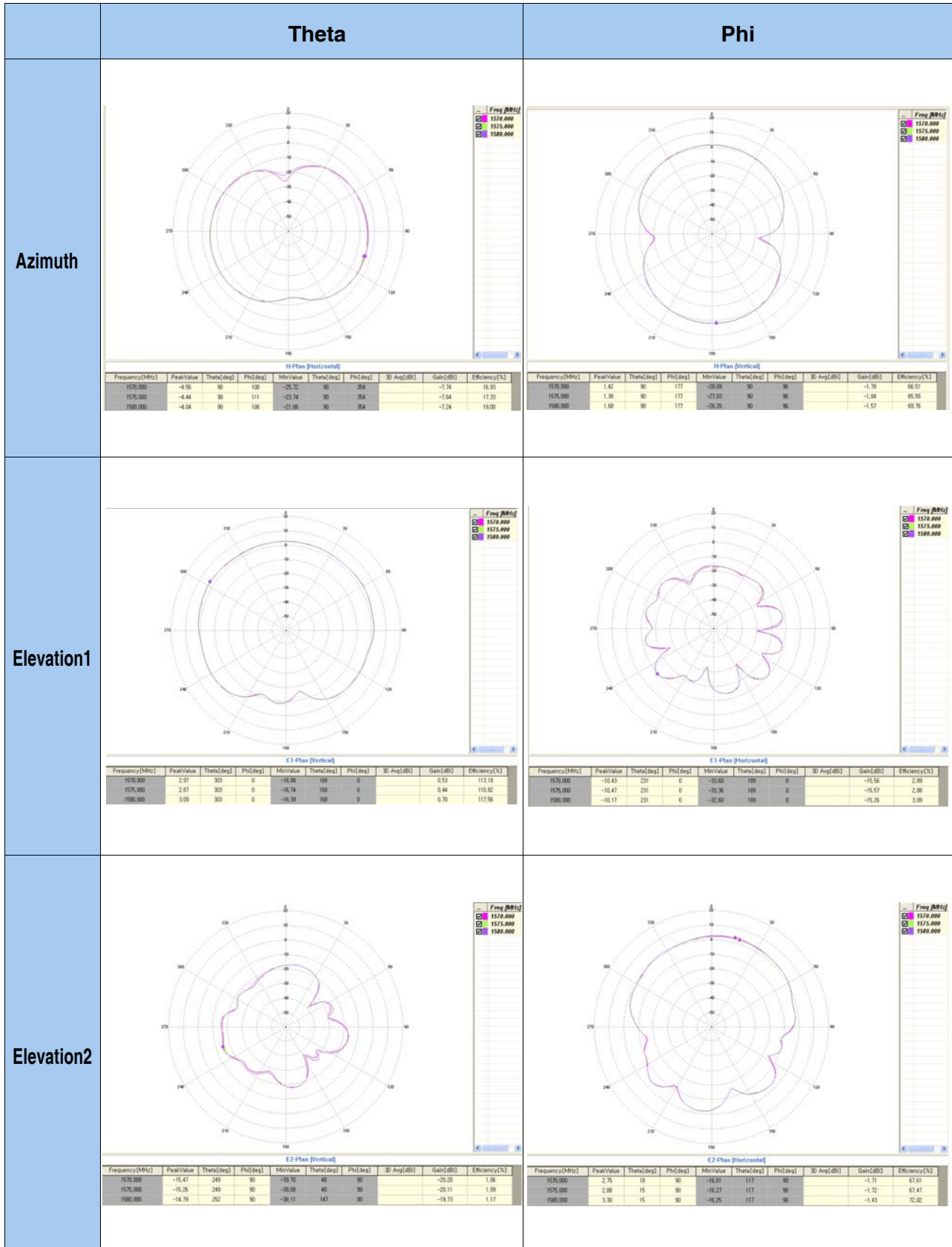
2D Measurement				
Gain	Azimuth	Theta	Peak	-4.04
			Average	-7.24
		Phi	Peak	1.68
			Average	1.57
	Elevation 1	Theta	Peak	3.09
			Average	0.70
		Phi	Peak	-10.17
			Average	-15.26
	Elevation 2	Theta	Peak	-14.79
			Average	-19.73
		Phi	Peak	3.30
			Average	-1.43

Azimuth Plane	Elevation1 Plane	Elevation2 Plane
		
Theta	Vertical field of measured plane	
Phi	Horizontal field of measured plane	

# Dielectric Chip Antenna



## 2D RADIATION PATTERN



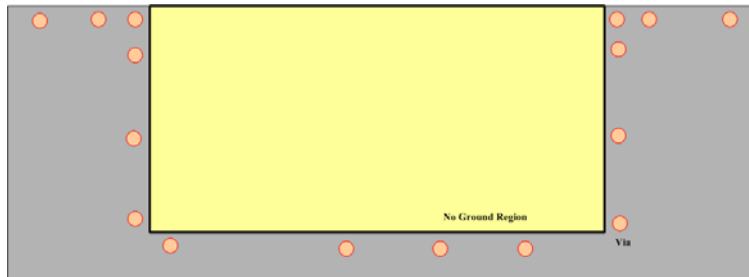
# Dielectric Chip Antenna



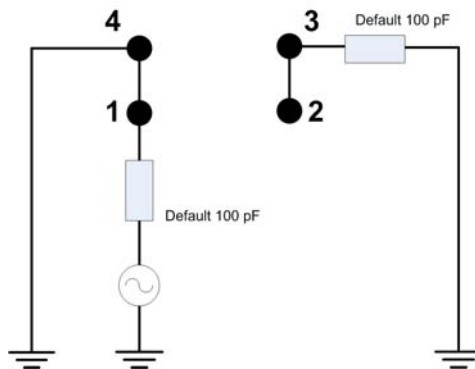
## FEEDING METHOD (unit : mm, tolerance : $\pm 0.05$ )



< Top View >



< Bottom View >



< Default Condition Equivalent Circuit >

## AutoCAD Drawing of Reference PCB Design

