

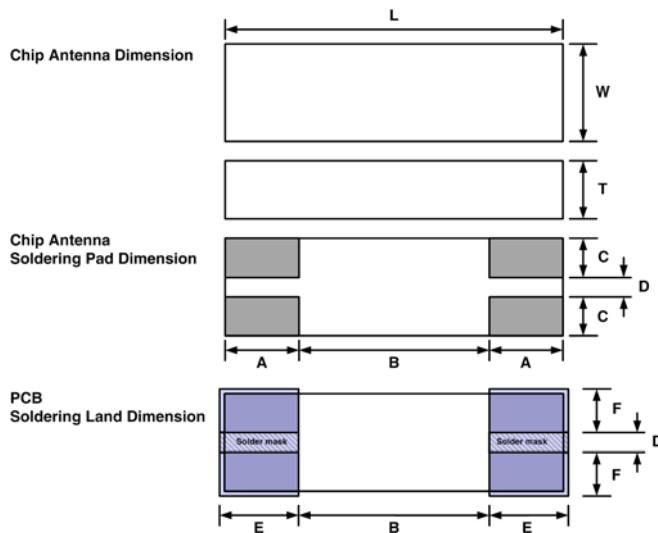
# Dielectric Chip Antenna



## ■ P/N : ODGPTR8020

This specification covers the dielectric chip antenna ODGPTR8020 used in GPS

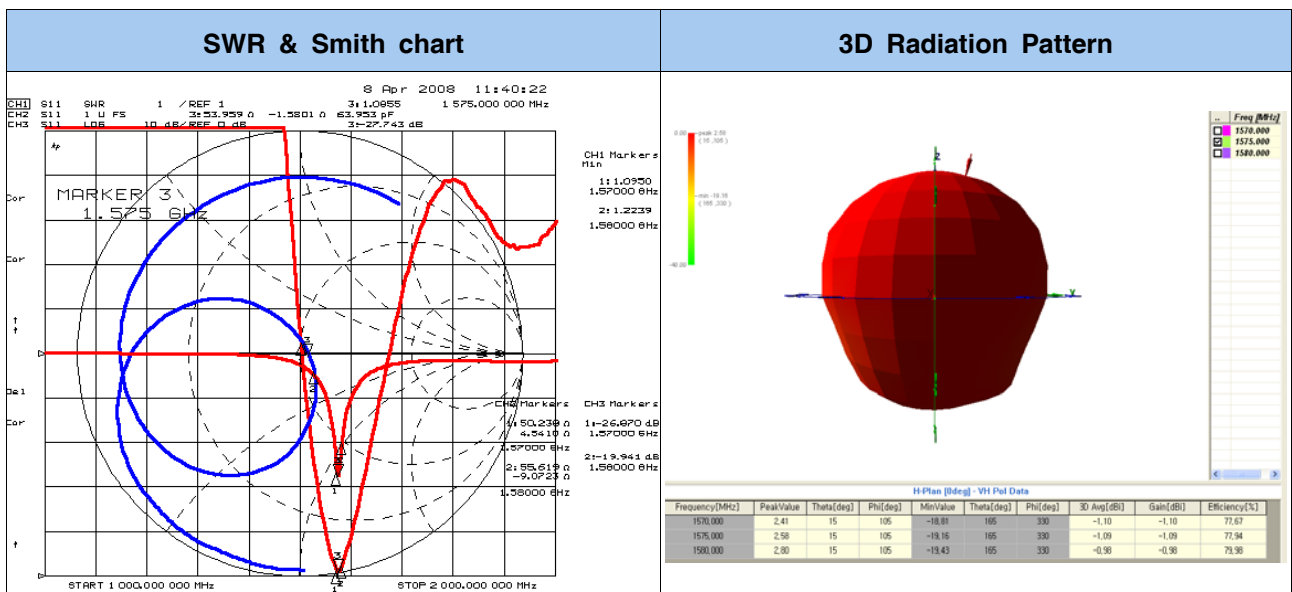
## ■ MECHANICAL DIMENSION (unit : mm, tolerance : ± 0.1)



L	8.0
W	2.0
T	1.2
A	1.5
B	5.0
C	0.8
D	0.4
E	1.6
F	0.9

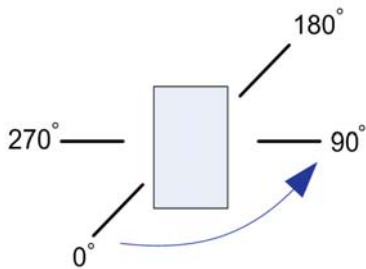
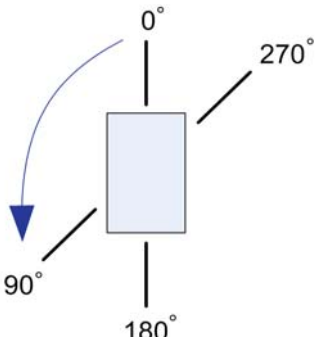
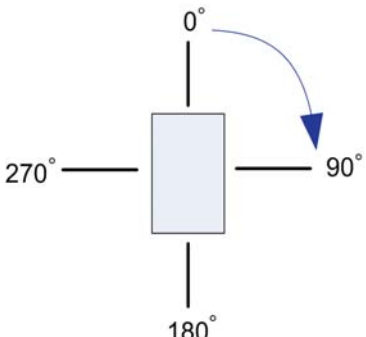
## ■ ELECTRICAL CHARACTERISTICS

ITEM		SPEC		
Frequency Range		1570 ~ 1580 MHz		
VSWR		2:1 Max		
Polarization		Linear		
Frequency [MHz]		1570	1575	1580
Gain [dBi]	Peak	2.41	2.58	2.80
	Average	-1.10	-1.09	-0.98
Efficiency [%]		77.67	77.94	79.98



## ELECTRICAL CHARACTERISTICS (2D)

2D Measurement				
Gain	Azimuth	Theta	Peak	-3.56
			Average	-6.98
		Phi	Peak	1.33
			Average	-2.06
	Elevation 1	Theta	Peak	2.50
			Average	0.34
		Phi	Peak	-10.43
			Average	-17.17
	Elevation 2	Theta	Peak	-15.21
			Average	-19.67
		Phi	Peak	3.25
			Average	-1.84

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

## 2D RADIATION PATTERN

