

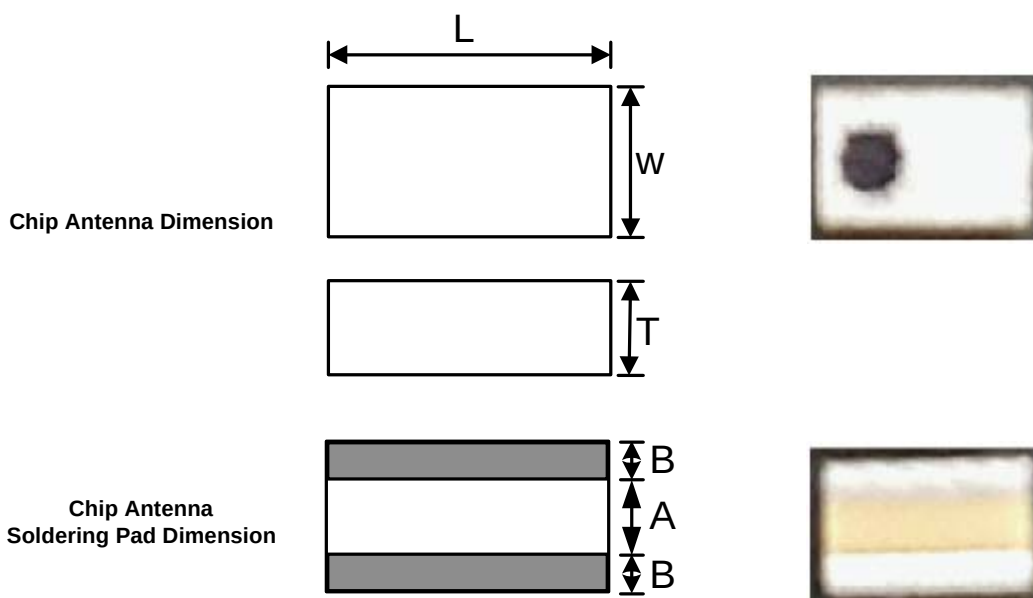
Dielectric Chip Antenna



■ P/N : DSBTPTR2010

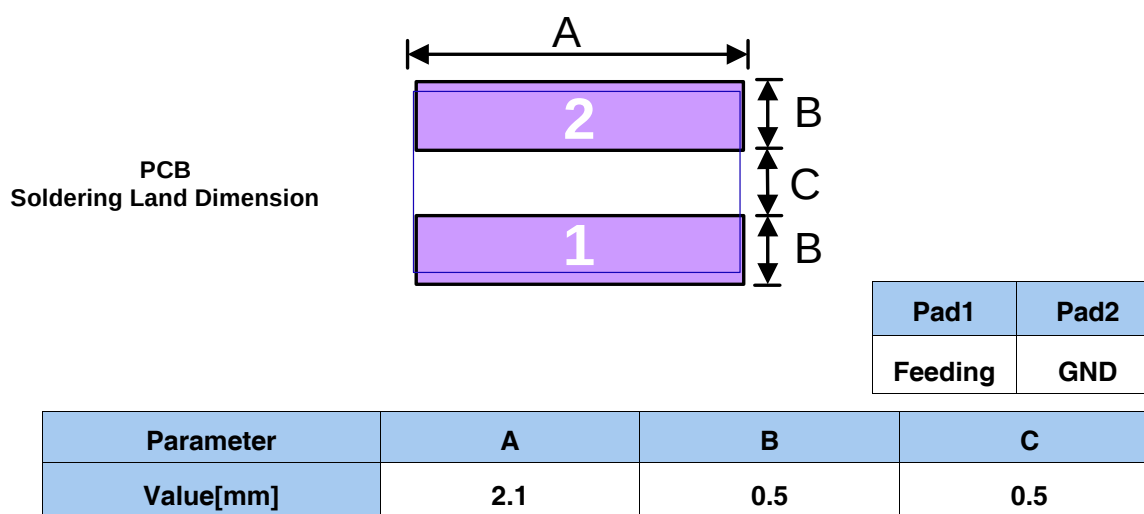
This specification covers the dielectric chip antenna DSBTPTR2010 used in Bluetooth.

■ Antenna Dimension (unit : mm, tolerance : ± 0.05)



Parameter	L	W	T	A	B
Value[mm]	2.0	1.2	1.0	0.6	0.3

■ Reference PCB Land Pad

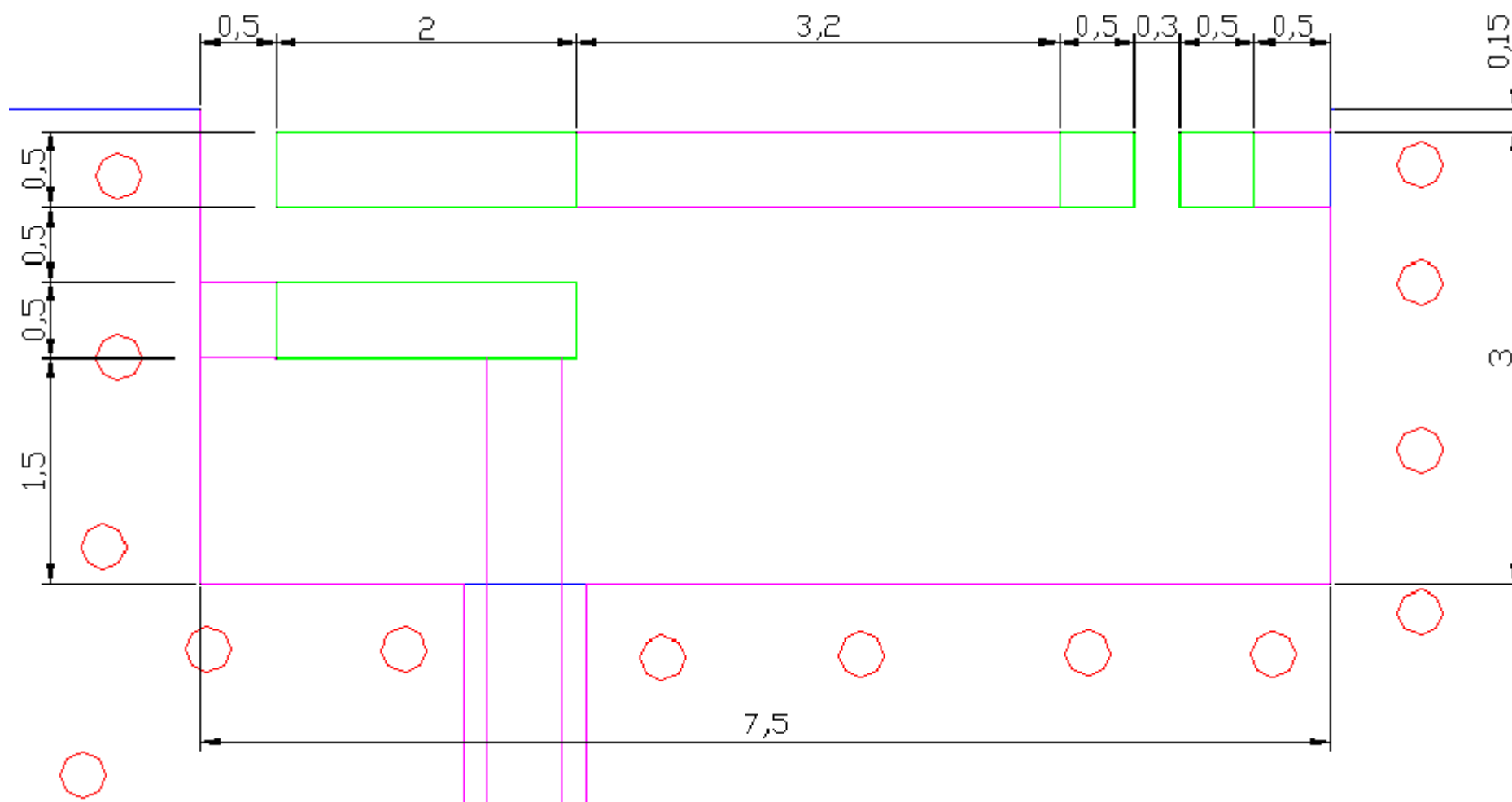


Unless Specified tolerances are ± 0.05 mm

Dielectric Chip Antenna



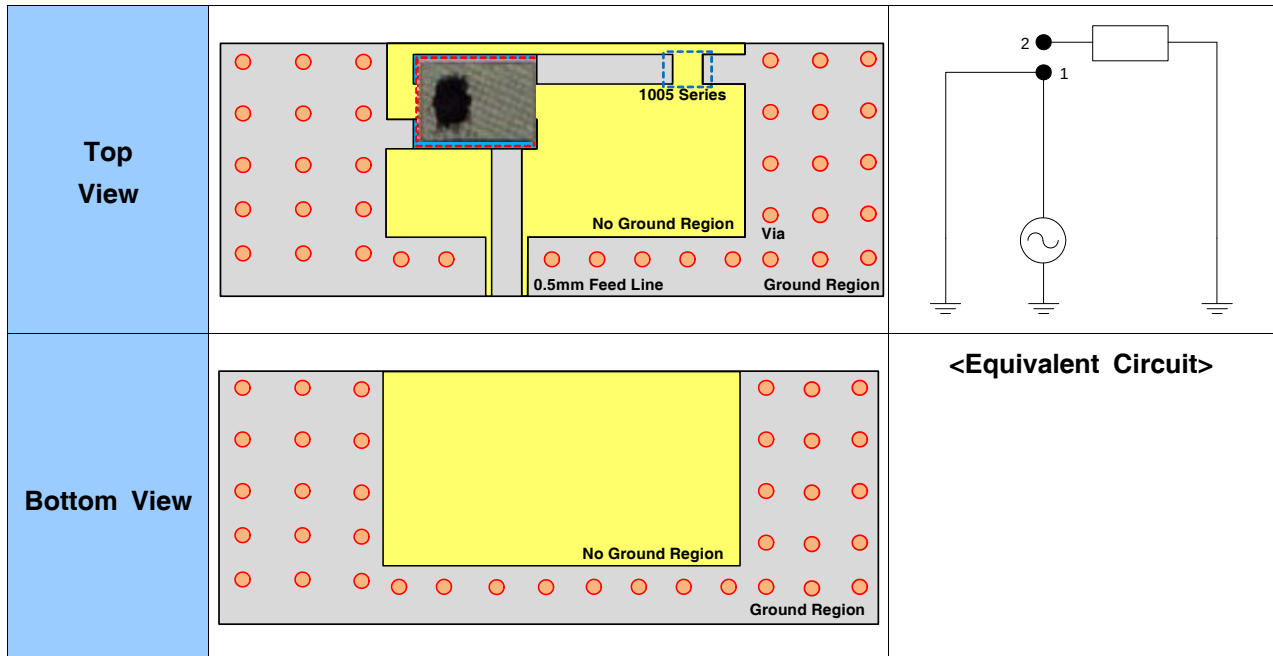
■ AutoCAD Drawing of Reference PCB Design



Dielectric Chip Antenna



■ PCB Drawing



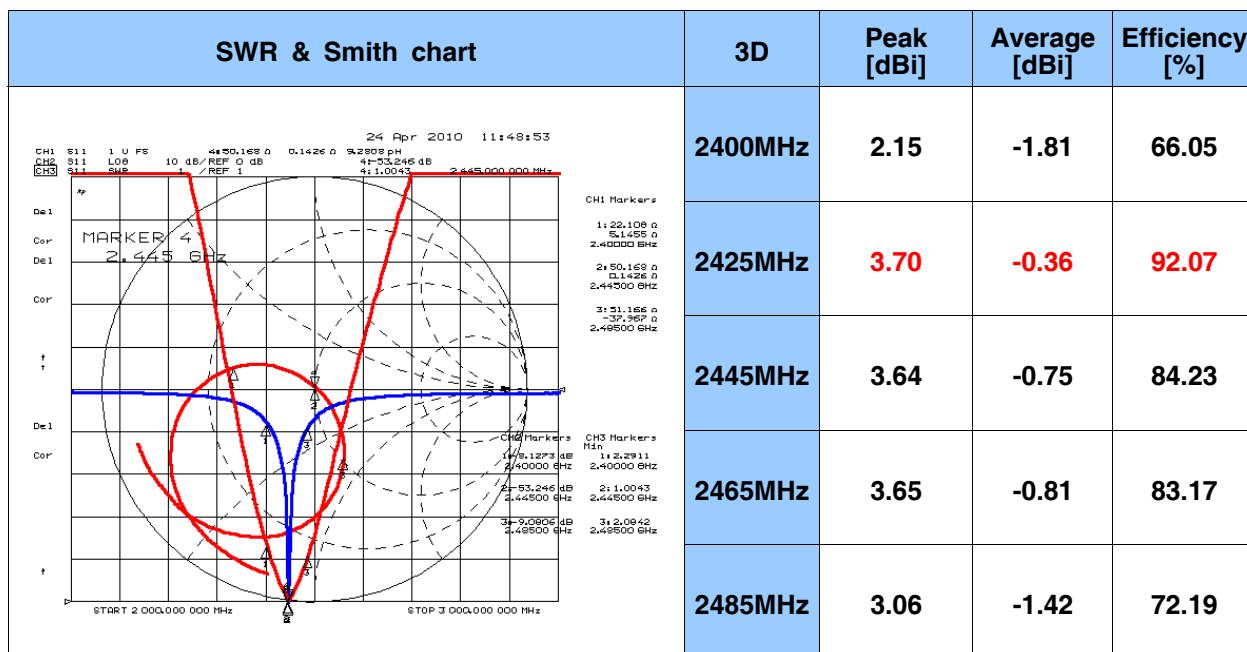
■ Matching Value

Band (MHz)	Matching Value (Default)
Bluetooth / (2400 ~ 2485)	

Dielectric Chip Antenna

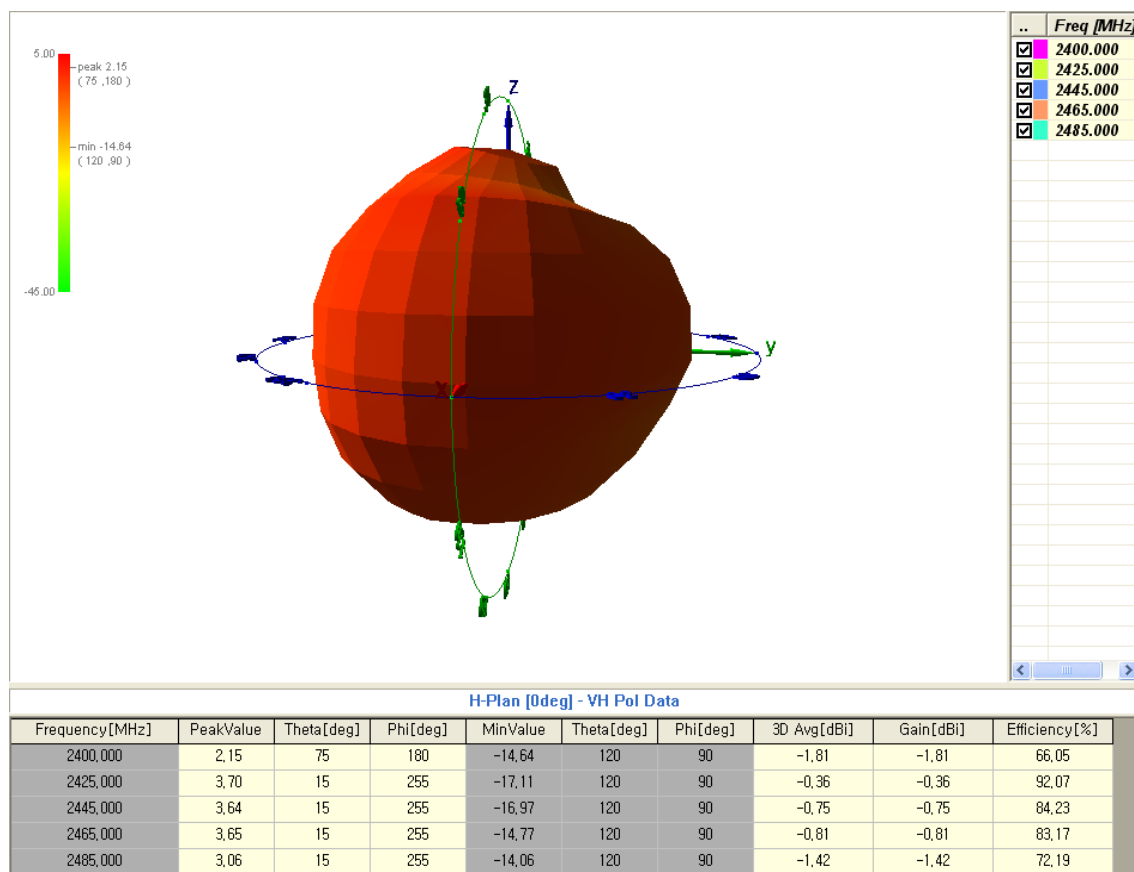


Electrical Characteristics (3D)



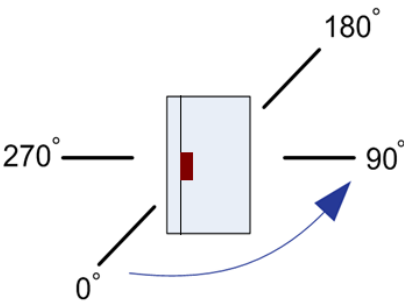
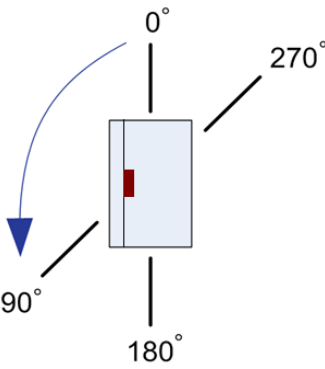
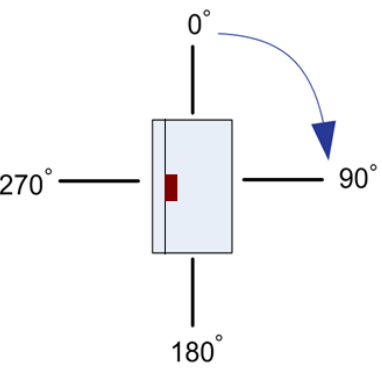
Radiation Pattern (3D)

3D Radiation Pattern



■ Electrical Characteristics (2D)

2D Measurement				
Gain	Azimuth	Theta	Peak	1.81
			Average	0.08
		Phi	Peak	-9.76
			Average	-12.64
	Elevation 1	Theta	Peak	2.18
			Average	-2.68
		Phi	Peak	3.50
			Average	-1.60
	Elevation 2	Theta	Peak	-13.75
			Average	-18.88
		Phi	Peak	3.60
			Average	-0.73

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

Dielectric Chip Antenna



Radiation Pattern (2D)

