

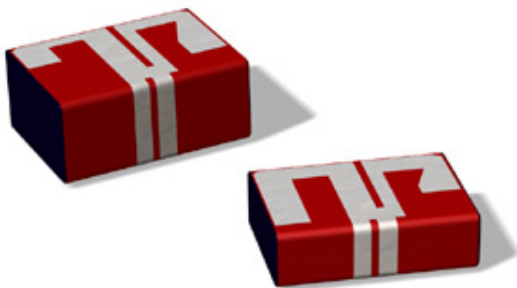
CUBE DESIGNED ANTENNA

GENERAL DESCRIPTION

There are two types of the cube-designed antenna:

- High performance antenna: (6 mm)
- Low profile antenna (4 mm)

Can be delivered on Tape-On-Real.



APPLICATIONS

The antenna is designed for SMT mounting. It can be used inside PDA's, notebooks, printers and industrial applications. This antenna consists of a pattern on a plastic carrier. The design is fitted for placement over a ground plane and the dimension of the antenna carrier is standardized.

An advantage for this application is that the lead-time is relative short. The antenna has a standard footprint and could easily be tuned for each product. We perform the matching of the antenna pattern when hardware is available.

PROJECT LEAD-TIME & COSTS

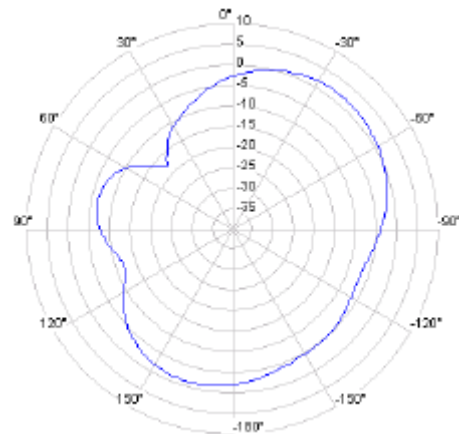
Total lead-time	
Tuning/change lead-time	
Development cost	
Industrialization cost	
Unit Price	

TYPICAL PERFORMANCE

Antenna	Single-band
Frequency range	Bluetooth, W-Lan, Dect
Gain	1 dBi / 0 dBi
VSWR, typical	TX 2:1
Impedance	50 ohm
Size	14 x 10 x 6 / 4
Weight	< 1 g
Application-	and ground plane dependent

TYPICAL RADIATION PATTERN

Antenna gain, dBi, in free space



TYPICAL VSWR

Singel-band antenna

