Laptop Display Mounted Diversity Pair

Internal Antenna - Embedded

Part Numbers:
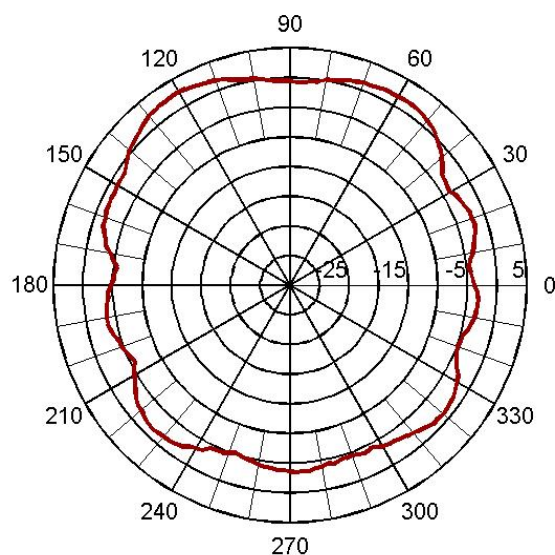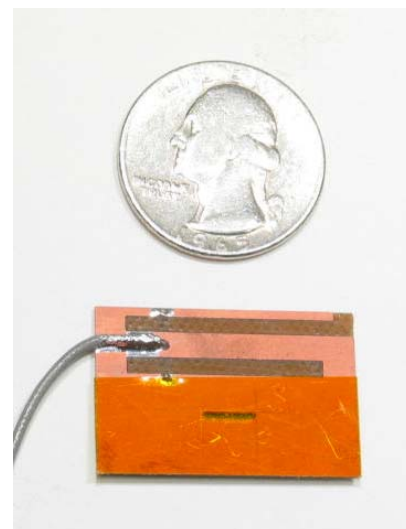**CAF28961**
CAF28962

Electrical Specifications:
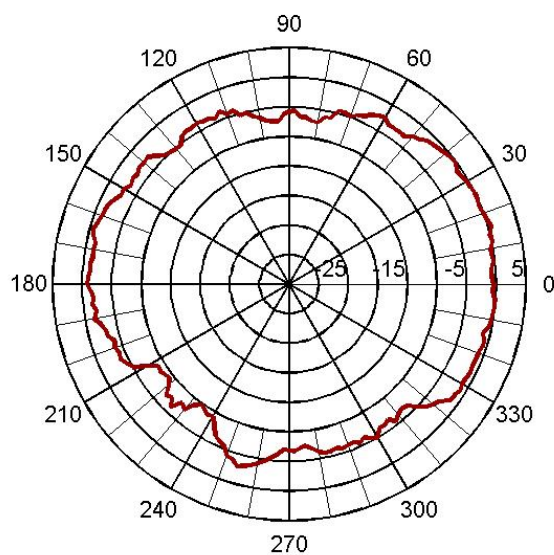
Frequency	2.4 - 2.5 GHz 4.9 – 5.875 GHz	
Average Gain (Azimuth)	> -3 dBi	2.4-2.5 GHz
	> -5 dBi	4.9 – 5.875 GHz
VSWR	2:1 from 2.4-2.5 GHz & 4.9-5.875 GHz	
Isolation	> 17 dB	2.4-2.5 GHz
	> 33 dB	4.9 – 5.875 GHz

Mechanical Specifications:

Dimensions	30 mm x 20 mm x .5 mm (1.81 mm at cable)	
Cable Length	CAF28961	336 mm
	CAF28962	471 mm

Azimuth
2.45 GHz

Azimuth
5.485 GHz

Laptop Display Mounted Diversity Pair

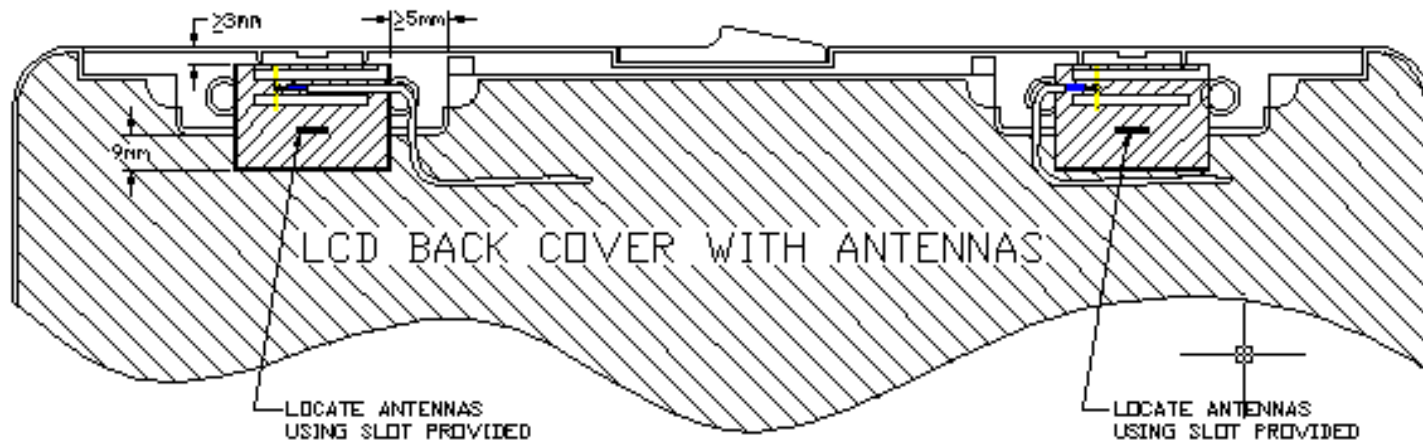### Internal Antenna - Embedded

Part Numbers:
CAF28961
CAF28962

Mounting:

Antenna is insensitive to cable routing due to common ground plane design.

KEEP DISTANCE FROM ANTENNA TO RADOME
≥ 2.5 mm FROM EACH FACE

Installation:

The antenna is designed to operate within a dielectric radiation window (volume) in the top of a laptop computer.

This is illustrated in the specification sheet under mounting.

The areas which are cross-hatched in the specification sheet illustration are assumed to be metalization of some type, elsewhere is dielectric.

The specification sheet has an illustration of the approximate dimensions which one should maintain for the best potential antenna peformance when mounting it in a laptop.

- The distance from the top of the antenna to the top of the notebook should be greater than or equal to 3mm.
- The distance from the antenna to the edge of the radiating window should be 5mm or greater.
- The distance from the bottom of the antenna to the bottom of the radiating window is 9mm.
- The distance from the either face of the antenna should be 2.5mm or greater.

LDMDP-c – 12/20/04