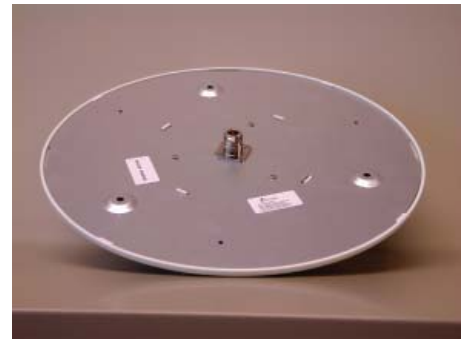


## Multi-band Ceiling Mount Omnidirectional Antenna-698 MHz-6GHz

The PCTCMB in-building antenna offers great value for OEMs, VARs and Systems Integrators looking for multi-band coverage, performance reliability and an attractive “consumer oriented” housing at an affordable price. Ideal applications include in-building public safety, retail establishments, enterprise networks, public “hot spots” and facilities management.

### Features

- No tune, multi-band platform covers the most widely used in-building frequencies
- N female flange connector termination provides a single cable exit for easier installation and/or antenna replacement
- Attractive low profile design addresses aesthetic considerations and overhead clearance requirements
- UL 94V-0 plastics and PC boards for compliance with strict building safety code requirements
- Aluminum backplate template with drill guiding screw holes for faster, easier installation and labor cost optimization
- Outstanding value: PCTEL world-known antenna quality and reliability, a competitive price; and a single antenna covering multiple frequency applications



### Antenna Electrical Specifications

Model	Frequency Range	Nominal Gain	Return Loss
PCTCMB7058NF	698-850 MHz	1.5 dBi	≥9.5dB
	850-960 MHz	2 dBi	≥9.5dB
	1710-2170 MHz	4 dBi	≥9.5dB
	2300-2700 MHz	5 dBi	≥9.5dB
	3400-3700 MHz	5 dBi	≥9.5dB
	4900-6000 MHz	6 dBi	≥9.5dB

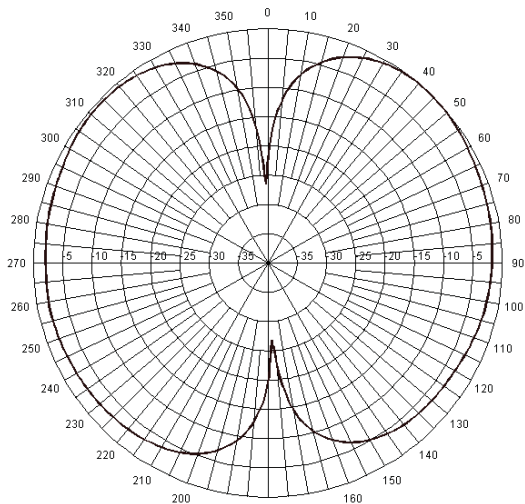
### Mechanical Specifications

Model	Dimensions (Height x Diameter)	Weight (Mass)	Temperature Range
PCTCMB7058NF	3.2 x 12 inches (82 x 305 millimeters)	1.1 lbs (0.5 kg)	-40 °C to 80 °C

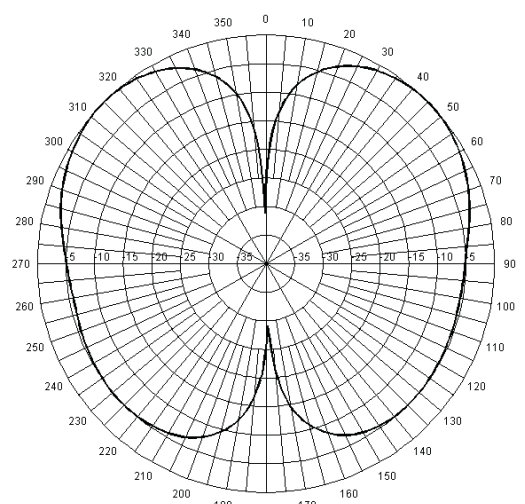
### Technical Data

Maximum Power: 50 watts
Polarization: Vertical, linear
Nominal Impedance: 50 ohms
VSWR: < 2.0:1 across the band
Housing Material: White, UL 94V-0, UV resistant plastic
Connector Termination: N female bulkhead standard*
*Please order cable assembly with mating N male termination separately
Mounting Method: Screw mount (screws provided)

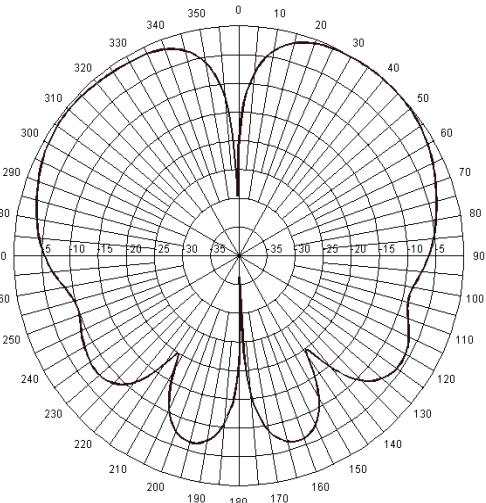
Radiation Patterns



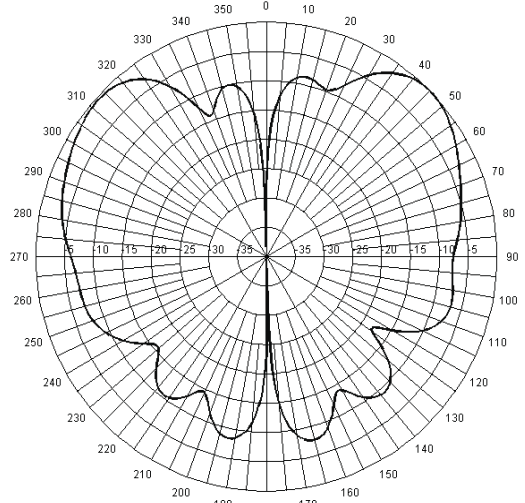
Elevation Cut at 776 MHz



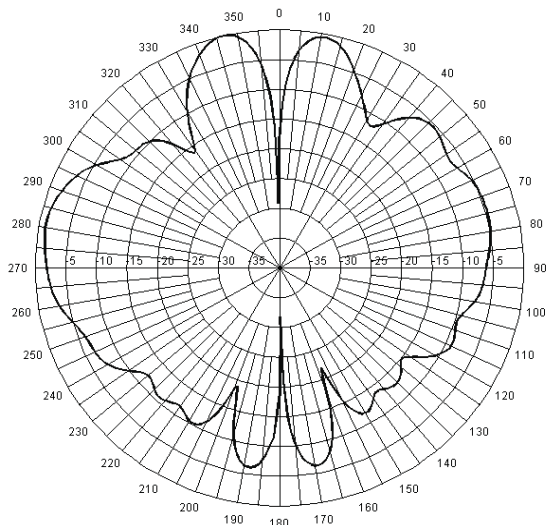
Elevation Cut at 905 MHz



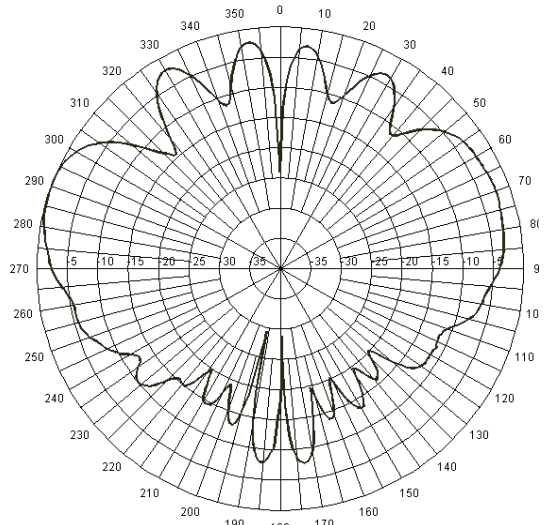
Elevation Cut at 1940 MHz



Elevation Cut at 2450 MHz



Elevation Cut at 3550 MHz



Elevation Cut at 5450 MHz