



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 with jam nuts and washer provides a single cable exit for easier installation and/or antenna replacement
- Aluminum backplate template with drill guiding screw holes for faster, easier installation and labor cost optimization
- 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
- Outstanding value: PCTEL world-known antenna quality and reliability, a competitive price; and a single antenna covering multiple frequency applications



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 Options (included): Screw mount (screws provided) 1.8" L N female bulkhead with two 5/8-24 jam nuts and flat washer (included)

RF/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