

PCTCN Chrome Nut Antennas

PCTEL's high performance chrome nut antenna series offers a durable, super flexible design and reinforced brass button contact for maximum durability against external shock or limited vehicle height clearance. Wideband performance, attractive "Titanium gray" reflective finish and sleek drop shape rod tip, combined with market competitive prices makes this new series one of the best values on the marketplace.

Features

- Optimized bandwidth performance - Only 11 models required to cover all frequencies between 118 MHz and 2.5 GHz
- High-Tech "Titanium gray" reflective plating - Closely mimics the color of the metallic surface on which the antenna is installed, nicely complementing the appearance of public safety, livery and service vehicles
- Gold plated, brass contact button interface - Provides optimized electrical performance, corrosion resistance and maximum 100lb pull force resistance for long lasting, trouble-free operation
- Tear drop style rod tip - Less prone to detachment due to impact (factory tuned models only)
- Heavy duty zinc die cast base for maximum durability and corrosion resistance under extreme weather conditions
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts for simple installation and/or replacement.

Electrical Specifications

Model	Frequency Range	Factory Tuned Frequency	Gain
PCTCNMFT	118-940 MHz	Field Tunable	Unity
PCTCN1520	152-162 MHz	157 MHz	Unity
PCTCN1620	162-174 MHz	167 MHz	Unity
PCTCN3840	380-430 MHz	405 MHz	Unity
PCTCN4347	430-470 MHz	450 MHz	Unity
PCTCN4750	470-512 MHz	491 MHz	Unity
PCTCN7080	740-870 MHz	805 MHz	Unity
PCTCN8090	806-960 MHz	883 MHz	Unity
PCTCN8063	806-866 MHz	836 MHz	3 dB
PCTCN8963	896-940 MHz	918 MHz	3 dB
PCTCN24005	2.4-2.5 GHz	2.45 GHz	4.5 dB

Mechanical Specifications

Model	Antenna Height at lowest frequency
PCTCNMFT	Approximately 24.0"
PCTCN1520	Approximately 18.0"
PCTCN1620	Approximately 18.0"
PCTCN3840	Approximately 7.38"
PCTCN4347	Approximately 6.2"
PCTCN4750	Approximately 5.6"
PCTCN7080	Approximately 3.3"
PCTCN8090	Approximately 3.0"
PCTCN8063	Approximately 14.5"
PCTCN8963	Approximately 12.0"
PCTCN24005	Approximately 8.75"



Technical Data

Maximum Power: 150 watts
Nominal Impedance: 50 ohms
VSWR at Resonance: < 1.5:1
VSWR across the range of specified frequencies: < 2.0:1
Radiator Material: .062" diameter spring rated stainless steel, "Titanium gray" finish
Mount Nut: Zinc die cast; "Titanium" finish
Antenna Type: 1/4 Wave (Unity gain models) 5/8 Wave over a 1/4 Wave (3 dB gain models) Collinear (4.5 dB model)

