

PCTCN Chrome Nut Antennas

Our new 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 12 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.



Technical Data

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| 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 17-7ph 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 (3dB gain models) Collinear (4.5 dB model) |



Electrical Specifications

| Model | Frequency Range | Factory Tuned Frequency | Gain | Replacement for: |
|------------|-----------------|-------------------------|--------|------------------------|
| PCTCNMFT | 118-940 MHz | Field Tunable | Unity | (B)MFT120 |
| PCTCN1520 | 152-162 MHz | 157 MHz | Unity | BMHB1520, MHB1520 |
| PCTCN1620 | 162-174 MHz | 167 MHz | Unity | MHB1620 |
| PCTCN3840 | 380-430 MHz | 405 MHz | Unity | (B)MUF3800, MUF4060 |
| PCTCN4347 | 430-470 MHz | 450 MHz | Unity | MUF4300, MUF4500 |
| PCTCN4750 | 470-512 MHz | 491 MHz | Unity | MUF4700, MUF4900 |
| PCTCN7080 | 740-870 MHz | 805 MHz | Unity | MUF7000 |
| PCTCN8090 | 806-960 MHz | 883 MHz | Unity | (B)MUF8000, (B)MUF9000 |
| PCTCN8063 | 806-866 MHz | 836 MHz | 3 dB | (B)MUF8063 |
| PCTCN8253 | 824-896 MHz | 860 MHz | 3 dB | (B)MUF8253 |
| PCTCN8963 | 896-940 MHz | 918 MHz | 3 dB | MUF8963 |
| PCTCN24005 | 2.4-2.5 GHz | 2.45 GHz | 4.5 dB | MUF24005 |

Mechanical Specifications

| Model | Antenna Height at lowest frequency |
|------------|------------------------------------|
| PCTCNMFT | Approximately 24.0" |
| PCTCN1520 | Approximately 21.6" |
| PCTCN1620 | Approximately 21.6" |
| PCTCN3840 | Approximately 7.38" |
| PCTCN4347 | Approximately 6.2" |
| PCTCN4750 | Approximately 5.6" |
| PCTCN7080 | Approximately 3.3" |
| PCTCN8090 | Approximately 3.0" |
| PCTCN8063 | Approximately 14.5" |
| PCTCN8253 | Approximately 14.0" |
| PCTCN8963 | Approximately 12.0" |
| PCTCN24005 | Approximately 8.75" |