

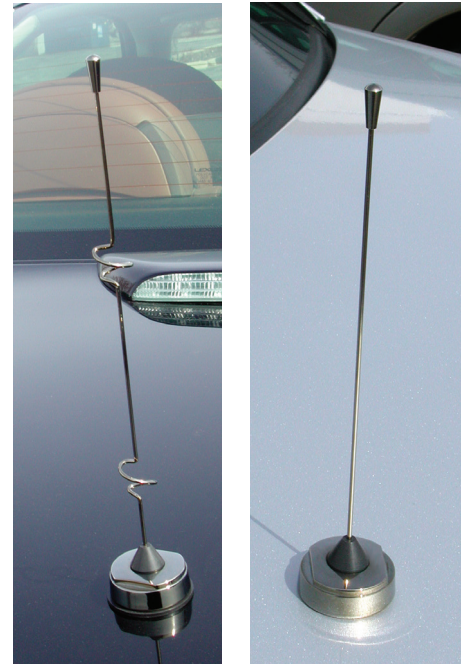
## PCTCN Chrome Nut Antennas

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.



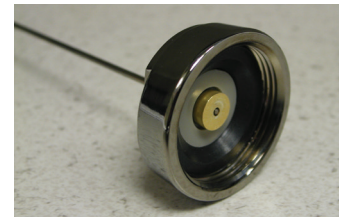
### Features

- 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



### ELECTRICAL SPECIFICATIONS - RF ANTENNA

| Model      | Frequency Range | Factory Tuned Frequency | VSWR*   | Average Power | Nominal Impedance | Gain   |
|------------|-----------------|-------------------------|---------|---------------|-------------------|--------|
| PCTCNMFT   | 118-940 MHz     | Field Tunable           | < 2.0:1 | 150 watts     | 50 ohms           | Unity  |
| PCTCN1520  | 152-162 MHz     | 157 MHz                 | < 2.0:1 | 150 watts     | 50 ohms           | Unity  |
| PCTCN1620  | 162-174 MHz     | 167 MHz                 | < 2.0:1 | 150 watts     | 50 ohms           | Unity  |
| PCTCN3840  | 380-430 MHz     | 405 MHz                 | < 2.0:1 | 150 watts     | 50 ohms           | Unity  |
| PCTCN4347  | 430-470 MHz     | 450 MHz                 | < 2.0:1 | 150 watts     | 50 ohms           | Unity  |
| PCTCN4750  | 470-512 MHz     | 491 MHz                 | < 2.0:1 | 150 watts     | 50 ohms           | Unity  |
| PCTCN7080  | 740-870 MHz     | 805 MHz                 | < 2.0:1 | 150 watts     | 50 ohms           | Unity  |
| PCTCN8090  | 806-960 MHz     | 883 MHz                 | < 2.0:1 | 150 watts     | 50 ohms           | Unity  |
| PCTCN8063  | 806-866 MHz     | 836 MHz                 | < 2.0:1 | 150 watts     | 50 ohms           | 3 dB   |
| PCTCN8963  | 896-940 MHz     | 918 MHz                 | < 2.0:1 | 150 watts     | 50 ohms           | 3 dB   |
| PCTCN24005 | 2.4-2.5 GHz     | 2.45 GHz                | < 2.0:1 | 150 watts     | 50 ohms           | 4.5 dB |



### MECHANICAL SPECIFICATIONS

| Model      | Approximate Antenna Height | Mount Nut                        | Radiator Material                                      |
|------------|----------------------------|----------------------------------|--------------------------------------------------------|
| PCTCNMFT   | 24.0"                      | Zinc die cast; "Titanium" finish | .062" diameter stainless steel, "Titanium gray" finish |
| PCTCN1520  | 18.0"                      | Zinc die cast; "Titanium" finish | .062" diameter stainless steel, "Titanium gray" finish |
| PCTCN1620  | 18.0"                      | Zinc die cast; "Titanium" finish | .062" diameter stainless steel, "Titanium gray" finish |
| PCTCN3840  | 7.38"                      | Zinc die cast; "Titanium" finish | .062" diameter stainless steel, "Titanium gray" finish |
| PCTCN4347  | 6.2"                       | Zinc die cast; "Titanium" finish | .062" diameter stainless steel, "Titanium gray" finish |
| PCTCN4750  | 5.6"                       | Zinc die cast; "Titanium" finish | .062" diameter stainless steel, "Titanium gray" finish |
| PCTCN7080  | 3.3"                       | Zinc die cast; "Titanium" finish | .062" diameter stainless steel, "Titanium gray" finish |
| PCTCN8090  | 3.0"                       | Zinc die cast; "Titanium" finish | .062" diameter stainless steel, "Titanium gray" finish |
| PCTCN8063  | 14.5"                      | Zinc die cast; "Titanium" finish | .062" diameter stainless steel, "Titanium gray" finish |
| PCTCN8963  | 12.0"                      | Zinc die cast; "Titanium" finish | .062" diameter stainless steel, "Titanium gray" finish |
| PCTCN24005 | 8.75"                      | Zinc die cast; "Titanium" finish | .062" diameter stainless steel, "Titanium gray" finish |

\* VSWR at resonance is < 1.5:1