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