CX-UHF3-MH-C

330027-T

Marine and Land Based UHF Antenna. Tx/Rx. 220W
3 dBd. N-female. N239F. Packed in a tube.

This omnidirectional 3 dBd gain antenna is used for radio telephone systems, two-way business radios and many other UHF applications. The antenna is manufactured in premium quality materials in order to prevent galvanic corrosion. Radiating elements are made of copper. The antenna is manufactuted using crimping technology giving the antenna a 4-5 times stronger build-up. The swivel nut N239F is included. The antenna is subject for improvement at all times. The antenna has the same rugged design as all other AC Antennas products thus it withstands harsh environmental conditions, both on sea and land.

Short description

Product group	UHF
Design	Collinar coaxial dipole
Pattern	Omnidirectional

Electrical specifications

Frequency range [MHz]	A: 440.0-470.0 B: 435.0-475.0 C: 435.0-480.0
Bandwidth [MHz]	A: 30 B: 40 C: 45
Nominal Impedance [Ohm]	50
Max. Input Power [Watt]	220
Gain [dBd/dBi/Marine dB]	3 / 5.15 / 6
VSWR	A: <1.5:1 B: <2.0:1 C: <2.5:1
Polarisation	Vertical
DC Shorted	Yes
DC Grounded	Yes
Connector	N-Female

Mechanical specifications

Length [m/ft]	1.27 / 4.17
Sections	1
Weight [kg/lbs]	0.60 / 1.34
Survival Wind Speed [km/h / m/s / mph]	200 / 55 / 124
Wind Area [m2/ft2]	0.0214 / 0.2304
Wind Load @ 160km/h [N]	31
Material	Fibreglass
Colour	White
Operating Temperature Range [°C/°F]	-55 to +70 / -67 to +158
Ingress Protection	IP68
Thread	1" 14TPI male / ISO 228/1-G1 female
Mounting	Swivel nut N239F included

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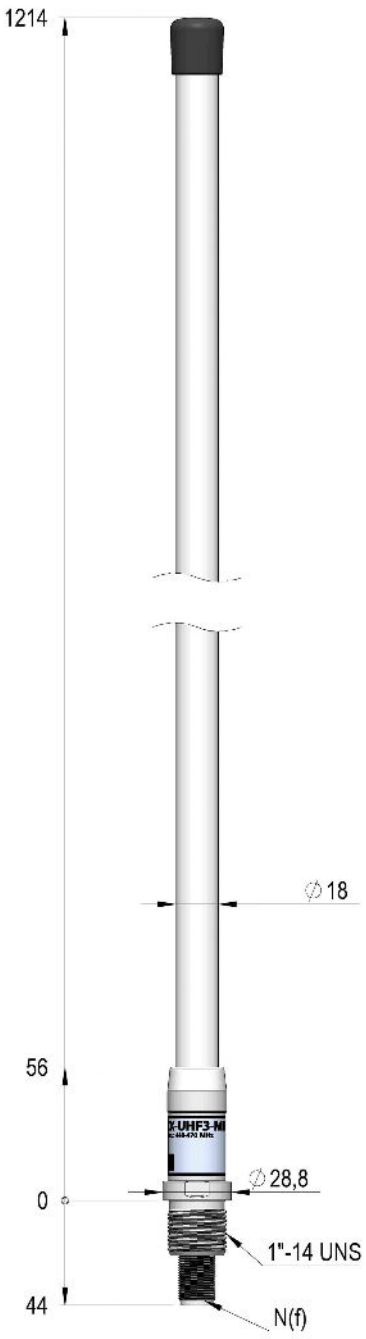

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VSWR

Voltage standing wave ratio is a measure of the energy lost in the coax cable/antenna connection. The figure to the right shows VSWR measurement based on the average of a significant numbers of antennas. All antennas delivered by AC Antennas are tested and the VSWR is guaranteed in the specified frequency range.

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