


KUM121

Marine and Land Based Active HF Receive Antenna

KUM121 is a high quality omnidirectional active receiving HF antenna with high dynamic range in the entire bandwidth. The antenna has a 0dB amplifier integrated, with low noise figure and diode-protection at RF and DC inputs. The KUM121 is grounded through the mounting base, so there is no requirement for AC grounding cable. It is manufactured in premium quality materials in order to prevent galvanic corrosion and has an appearance similar to the CX4 antenna.

KUM121 antenna has the same rugged design as all other AC Antennas products thus it withstands harsh environmental conditions, both on sea and land.

Electrical specifications

Frequency range (MHz)	0.15-30	
Nominal impedance (ohm)	50	
Output max (dBm)	+10	
Supply voltage (V)	9-12	
Supply current max (mA)	35	
Amplifier noise figure (dB)	10	
IP3 (dBm)	≥ +28	
IP2 (dBm)	≥ +50	
Polarization	Vertical	
Connector	UHF-female	
DC-shorted	No	
DC-grounded	Yes, galvanic isolation on DC supply is recommended	

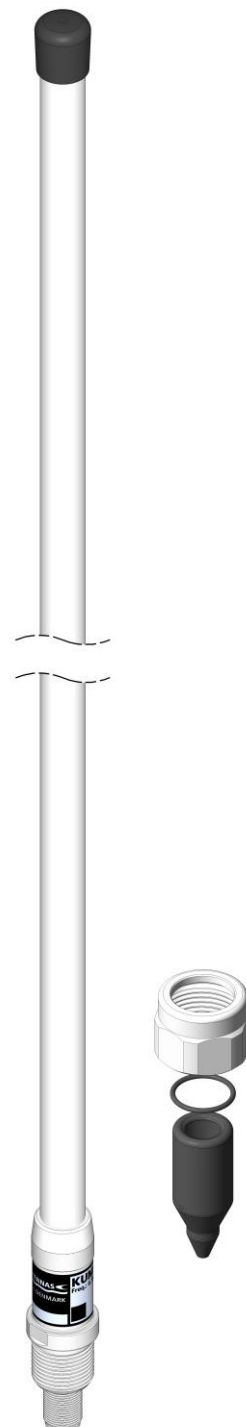
Mechanical specifications

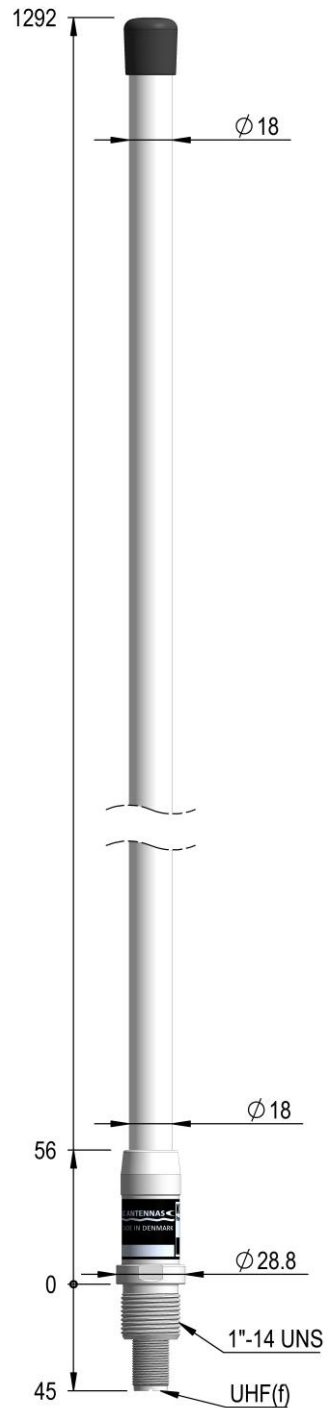
Length (m/ft)	1.26/4.13
Weight (kg/lbs)	0.50/1.10
Wind rating (m/s / mph)	45/101
Material	Fibreglass
Colour	White polyurethane lacquer
Temperature range (°C/°F)	-40 to +60 / -40 to +140
Ingress Protection	IP66

Mounting

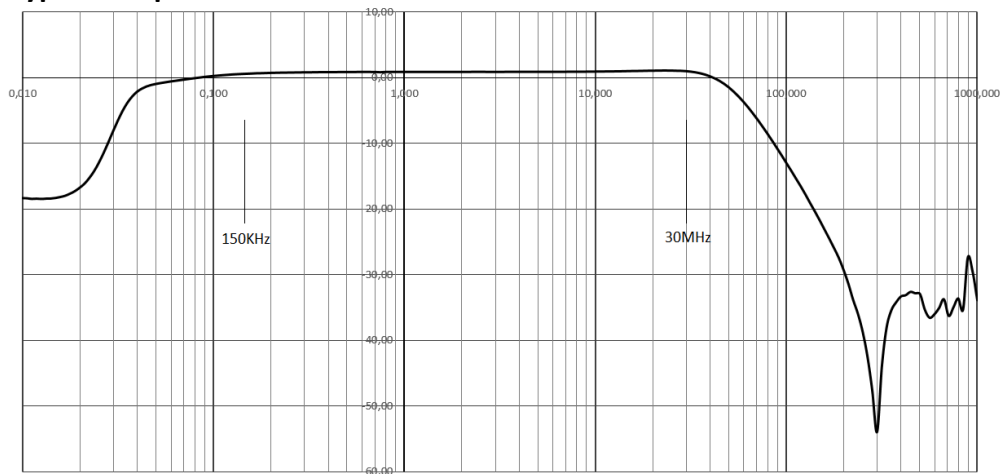
N240F with 1 1/4" thread included.

Can be used with all 1¼-11 TPI standard AC Antennas mounting equipment.





Typical Amplifier Gain Curve



Typical amplifier gain curve