

DATASHEET

Patent Pending

Antenna model UC-4364-328

The UC-4364-328 is a compact Quadrifilar Helix antenna (8 cm/3" OD x 16 cm/6" H) designed to operate through Amateur Radio satellites, without requiring an antenna rotator. The goal of this product is to offer Amateurs with severe space or community restrictions the ability to receive 70 cm HamSat signals, and communicate through orbiting repeaters (transponders). Ham satellites operate cross-band: you will generally need a VHF uplink transmit antenna for 2-way communications. A companion VHF unit is envisioned in the near future.



This antenna is passive and designed mostly as a receive structure. An active version of this product is upcoming, with a built-in Low Noise Amplifier (UC-4364-328xxA).

Frequency range:	436-438 MHz
Coverage:	Omni-directional, Hemispherical
Polarization:	LHCP (-Lx) or RHCP (-Rx) , AR 3 dB
Gain:	+3 dBic
Nominal Impedance:	50 ohm (RF)
Input Power:	1 Watt CW
VSWR:	2.0
Connector:	-xU: UHF, Male (PL-259) -xN: Type-N, Male, on 3 m (10 ft) Coaxial Cable
Dimensions:	Housing 8 cm (3") OD x 16 cm (6") h Bottom flange 10 cm (4") OD x 10 mm (0.38") h 4 screws, M4 (#10-32)
Mounting:	
Operating Temperatures:	-40 °C to +85 °C
Weight:	550 g / 1.15 lbs
Finish:	PVC housing, standard color is Black

NOTES:

Does not require a ground plane

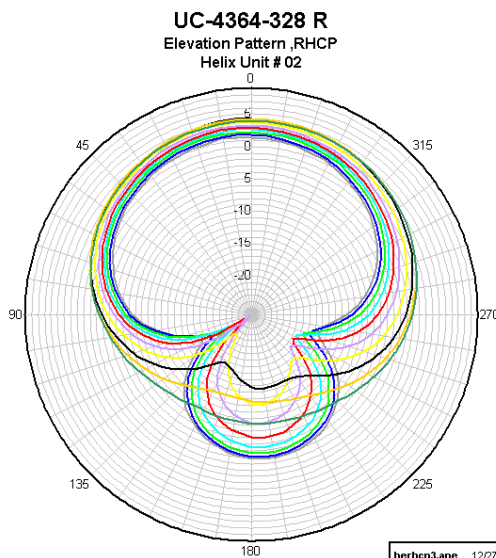
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**CAUTION: Contains PVC plastic. NOT FOR AIRCRAFT USE
DO NOT USE INDOORS WITHOUT ADEQUATE VENTILATION.**

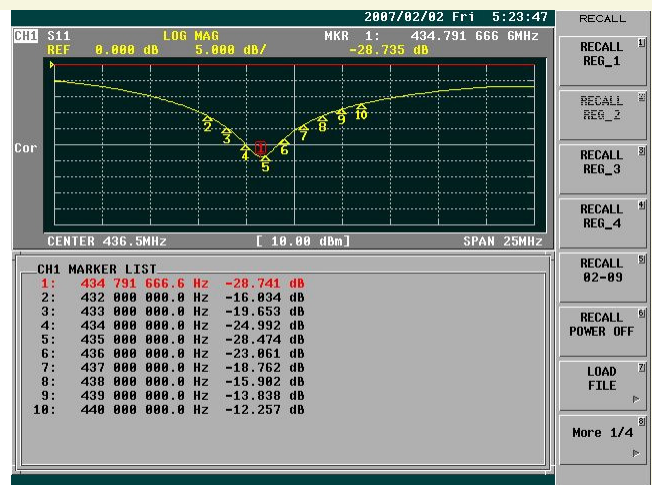
Frequencies (MHz)	
432	437
433	438
434	439
435	440
436	441

FREQ (MHz)	Max. Gain (dBi)
432	3.21
433	3.41
434	3.71
435	4.02
436.00	3.90
437.00	3.78
438.00	3.61
439.00	3.70
440.00	3.67
441.00	3.59

0 dB
-22.91 dbm_436 MHz



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Specifications and prices are subject to change without notice

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