

Circularly Polarized Quadrifilar Helix for Mast Mounting

DESCRIPTION

- Quadrifilar helix antenna for fixed installation.
- Two models within the 2.5 GHz band covering 2300 - 2500 MHz and 2530 - 2660 MHz, respectively.
- Right-hand circularly polarized antenna (RHCP).
- Ideal for "base station" receiving antenna when communicating with transmitting antenna on portable device (e.g. as receiving antenna on board a helicopter communicating with portable camera on a motor bike or situations similar to this).
- The circularly polarized antenna minimizes the fading effect often encountered in environments with reflecting obstacles.
- Suitable for mounting on 1" threaded water pipe.
- Comprehensive range of accessory mounting brackets available to make the perfect installation for your specific needs.

SPECIFICATIONS

Electrical	
Model	QHAM 2500-RC/...
Frequency	l: 2300 - 2500 MHz h: 2530 - 2660 MHz
Antenna Type	Quadrifilar helix antenna
Polarisation	Circular
Pattern Type	Hemispherical
Impedance	50 Ω
Gain	2 dBic (0 dBd)
VSWR	< 2.0:1
Maximum Input Power	2 W
Bandwidth	130 - 200 MHz (dep. on model)
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)
Mechanical	
Wind Area	0.0072 sq. m / 0.08 sq. ft
Connection(s)	FME(m)
Materials	Shroud: Weather resistant low loss plastic
Colour	Marine white
Height	230 mm / 9.06 in.
Wind Load	9.6 N (160km/h)
Diameter	33 mm / 1.30 in.
Weight	0.14 kg / 0.31 lb
Mounting	On 1" RG (G1" - 11) threaded water pipe or on optional mounting brackets (see accessories)
Environmental	
Operating Temperature Range	-30 °C to +70 °C
Survival Wind Speed	200 km/h

ORDERING

Type	Product No.	Frequency
QHAM 2500-RC/l	110000156	2300 - 2500 MHz
QHAM 2500-RC/h	110000206	2530 - 2660 MHz



DIAGRAM

ACCESSORIES (to be ordered separately) VERTICAL RADIATION PATTERN

