

# QHAM 2500-RC/...

## 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.



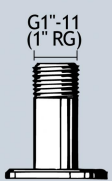
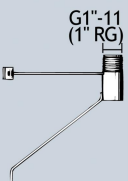
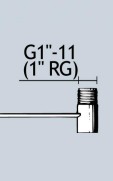


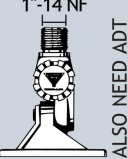
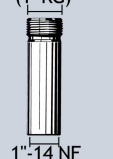

### ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	FREQUENCY
QHAM 2500-RC/l	110000156	2300 - 2500 MHz
QHAM 2500-RC/h	110000206	2530 - 2660 MHz

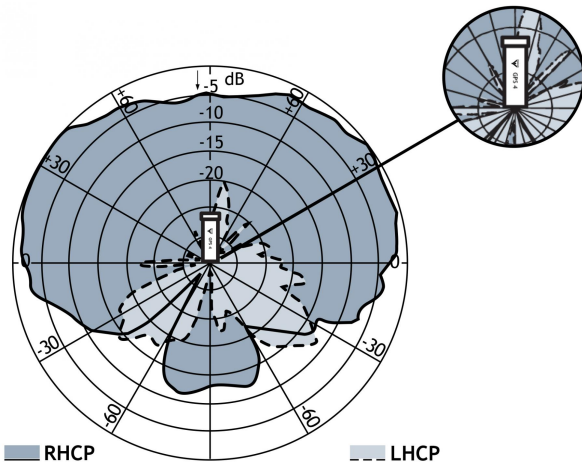
### SPECIFICATIONS

ELECTRICAL	
MODEL	QHAM 2500-RC/...
ANTENNA TYPE	Quadrifilar helix antenna
FREQUENCY	l: 2300 - 2500 MHz h: 2530 - 2660 MHz
IMPEDANCE	Nom. 50 $\Omega$
POLARIZATION	Circular right-hand
COVERAGE	Hemispherical
GAIN	Approx. 2 dBic 0 dBd
BANDWIDTH	130 - 200 MHz (dep. on model)
SWR	$\leq 2.0$
MAX. POWER	2 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
TEMP. RANGE	-30°C $\rightarrow$ +70°C
CONNECTOR	FME (male)
WIND SURFACE	Approx. 0.0072 m <sup>2</sup>
MAX. WIND SPEED	200 km/h
WIND LOAD	Approx. 9.6 N @ 150 km/h
COLOUR	Marine white
MATERIALS	Shroud: Weather resistant low loss plastic
TOTAL HEIGHT	Approx. 23 cm
ANTENNA DIA.	33 mm
WEIGHT	Approx. 140 g
MOUNTING	On 1" threaded water pipe or on PROCOM 1" mounting brackets (see below)

ACCESSORIES (to be ordered separately)

<p>FLG</p> 	<p>SMR 1</p> 	<p>SMR 2</p> 	<p>LW 1"</p> 
<p>MariFix 1</p>  <p>1"-14 NF</p> <p>ALSO NEED ADT</p>	<p>MariFix 2</p>  <p>1"-14 NF</p> <p>ALSO NEED ADT</p>	<p>ADT</p>  <p>G1"-11 (1" RG)</p> <p>1"-14 NF</p>	<p>JPC 40</p> <p>FME/58/FN</p> 

VERTICAL RADIATION PATTERN



PROCOM France S.A.R.L. se réserve le droit d'améliorer les spécifications sans préavis.  
22/01/15