Lightweight Circularly Polarized Quadrifilar Helix for Mast Mounting

DESCRIPTION

- Passive quadrifilar helix antenna for fixed installation.
- Covering GPS and Iridium band: 1575 and 1616 - 1626.5 MHz.
- Right-hand circularly polarized antenna (RHCP).
- 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	GPS/Iridium-FME
Frequency	1570 - 1650 MHz
Antenna Type	Quadrifilar helix antenna
Max. Input Power	2 W
Polarisation	Circular
Pattern Type	Hemispherical
Impedance	50 Ω
Gain	2 dBic (0 dBd)
VSWR	< 2.0:1
Bandwidth	75 MHz

Mechanical	
Connection(s)	FME(m)
Materials	Shroud: Weather resistant low loss plastic
Colour	Marine white
Wind Area	0.0072 sq. m / 0.08 sq. ft
Wind Load	9.6 N (160km/h)
Diameter	33 mm / 1.30 in.
Height	23 mm / 0.91 in.
Weight	0.14 kg / 0.31 lb
Mounting	On 1" RG (G1" - 11) threaded water pipe or on optional mounting brackets (see accessories)

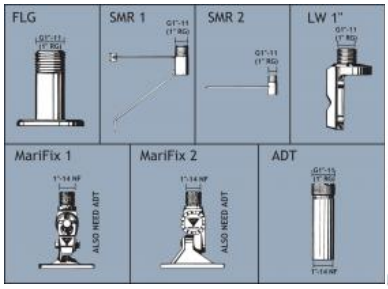
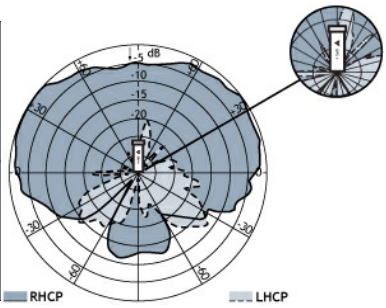
Environmental	
Operating Temperature Range	-30°C to +70°C
Survival Wind Speed	200 km/h

ORDERING

Model	Product No.
GPS/Iridium-FME	112000050

DIAGRAM

ACCESSORIES (TO BE ORDERED SEPARATELY)



VERTICAL RADIATION PATTERN