

# FPA17-16R/1275



## Directional Antenna

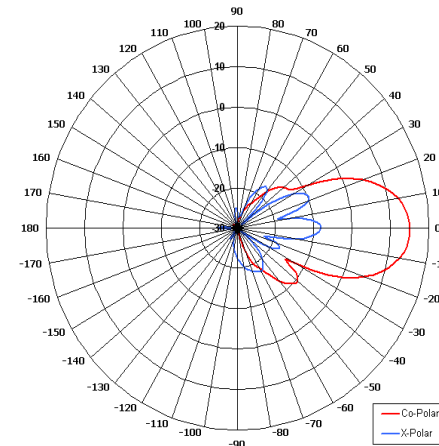
The most important thing we build is trust

Designed for Satellite Application

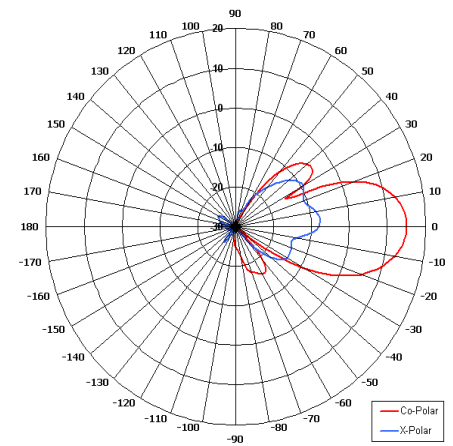
High Gain

Right Hand Circular Polarised

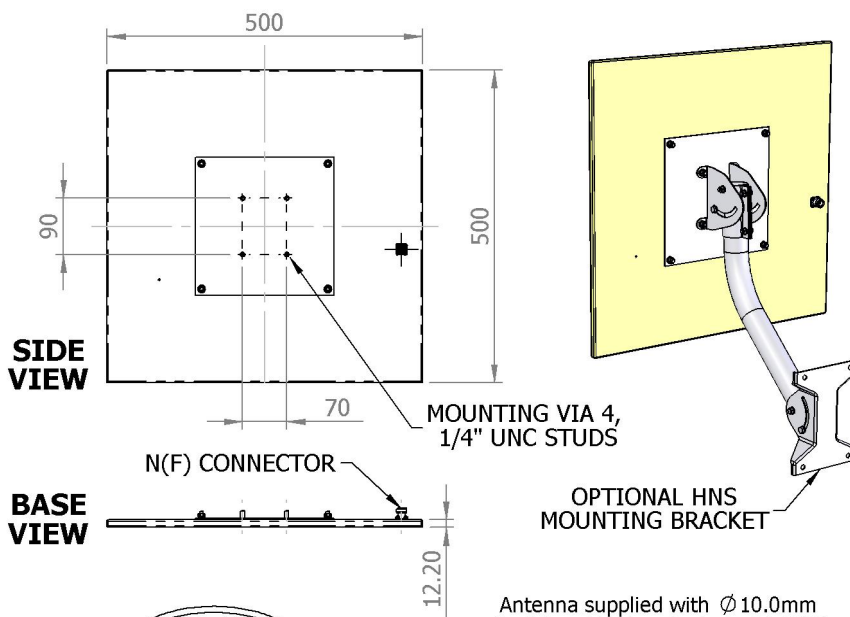
Adjustable Mounting Kit



Azimuth Pattern



Elevation Pattern



Antenna supplied with  $\varnothing 10.0\text{mm}$  flexible cable, terminated with N(M) connector and short length of  $\varnothing 3.0\text{mm}$  flexible cable with SMA(M) right angle connector. Also supplied with strain relief mechanism and SMA to MCX adapter for attachment to the User Terminal.

Overall length = 10.0m Nominal  
Insertion loss @ 1.542 GHz = 2.0 dB

ALL COMPONENTS USED IN THE ANTENNA AND ACCOMPANYING KIT ARE COMPLIANT WITH THE RoHS DIRECTIVES  
**GA: 1275**

### ELECTRICAL

Frequency	1.5250 - 1.6605 GHz
Gain	15.1 dBi Rx, 15.2 dBi Tx Nom including 10M Cable
Polarisation	Right Hand Circular
Beamwidth	22° (Az) x 22° (El) Approx
Axial Ratio	3 dB Worst Case on Boresight
VSWR	<1.5:1
Power Rating	10 W
Front to Back	>30 dB

### MECHANICAL

Standard Finish	Painted White
Mass	1.7 Kg (3.7 lbs) Excl. Bracket
Temperature	-50° to +60°C Operating -50° to +80°C Storage
Wind Loading	Will Survive 100mph/160 kph Winds

### MOUNTING OPTIONS

Kits Available	HNS Mounting Bracket
----------------	----------------------

See separate data sheets

### ADDITIONAL NOTES

Issued 091210

European Antennas Limited trading as Cobham Antenna Systems, Microwave Antennas

European Antennas Limited has a policy of continuous development and stress that the information provided is a guide only and does not constitute an offer or contract or part thereof. Whilst every effort is made to ensure the accuracy of the information contained in this brochure, no responsibility can be accepted for any errors or omissions.

The copyright of antenna designs and images is copyright protected and owned by European Antennas Limited.  
©European Antennas Limited

For further information please contact:

Cobham Antenna Systems, Microwave Antennas  
Lambda House, Cheveley,  
Newmarket, Suffolk CB8 9RG, UK.  
Tel +44 (0)1638 732 177  
Fax +44 (0) 1638 731999  
Email newmarket.sales@cobham.com