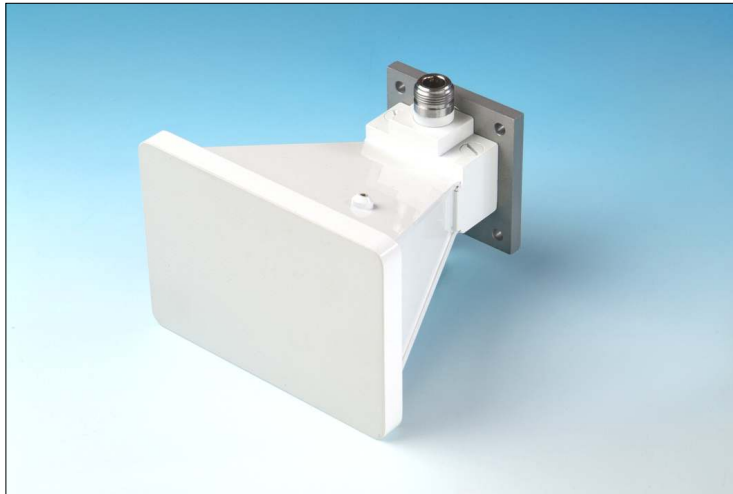




Q-par Angus Ltd

IDEAS ENGINEERED

2 - 18 GHz Wideband Horn Antenna



Model Number WBH2-18#

- Robust, proven design
- Gain 7 - 13 dBi across the band
- Compact, high performance, ridged waveguide
- Ideal for use as a feed
- A full antenna test report including gain against frequency is provided with each horn

This compact high performance ridged waveguide horn, available with N-type or SMA connector, is ideal for EMI/RFI testing, EMC measurements, wideband surveillance, materials evaluation etc. The high gain and low VSWR over a wide frequency band make the antenna ideal for receiving low level signals or for transmitting moderate power levels.

Techniques have been incorporated to prevent higher order waveguide modes. The horn may be mounted in a parabolic reflector to increase directional resolution and gain.

Accessories

QTP-A - Economy Antenna Tripod Unit
QTP-B - Standard Antenna Tripod Unit

Other models available

WBH1-18# - 1 to 18 GHz version
WBH2-18#HG - High Gain version
WBH2-24# - Extended frequency version
WBHDP2-18SHG - Dual polar, high gain

Barons Cross Laboratories, Leominster, Herefordshire, HR6 8RS, UK
Tel +44 (0) 1568 612138 Fax +44 (0) 1568 616373
E-mail sales@q-par.com Web www.q-par.com

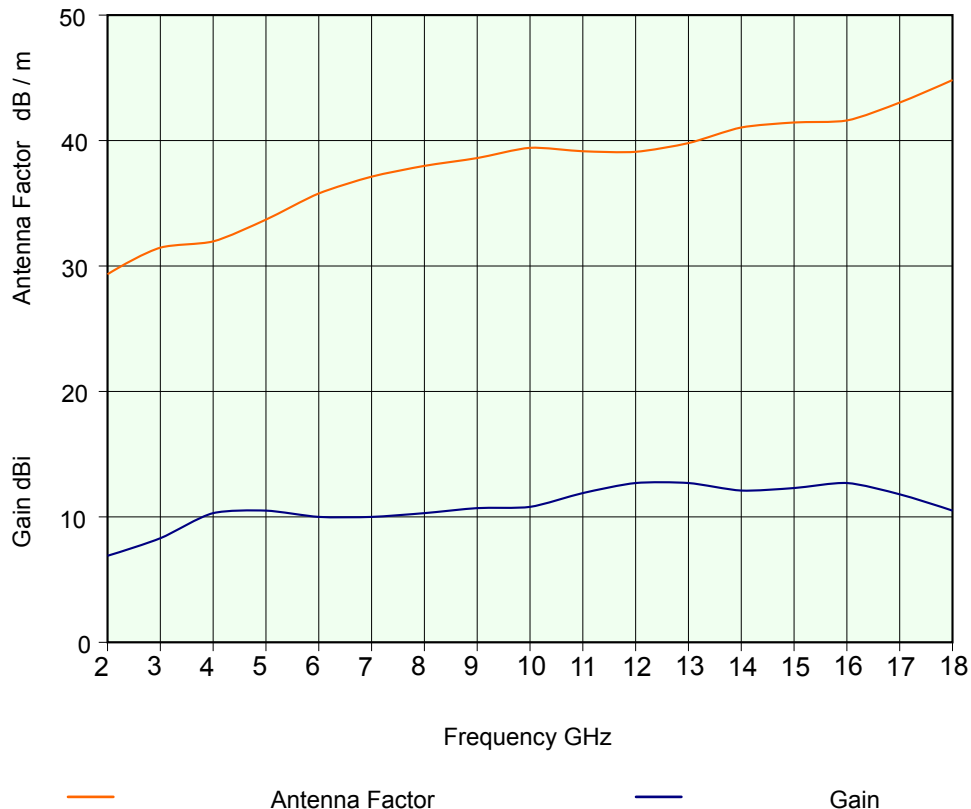


Data sheet

Typical Specification

Frequency	2 - 18 GHz
Gain	7 - 13 dBi
Beamwidth	86° - 19°
VSWR	< 2.5 : 1
Construction	Metal / Glass-Resin composite
Power Handling	50 Watts, c.w. N, 20 Watts c.w. SMA
Dimensions	119 x 86 mm ext. aperture, 119 mm long
Connector Type	SMA or N type available
Weight	420g N, 370g SMA, inc. mounting plate
Mounting	Mounting plate 50 mm x 50 mm, 4 holes, diameter 4.1, 38 mm centres

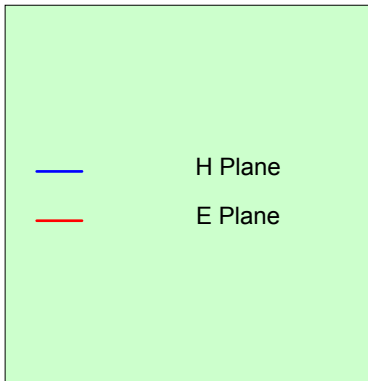
Typical Gain / Antenna Factor



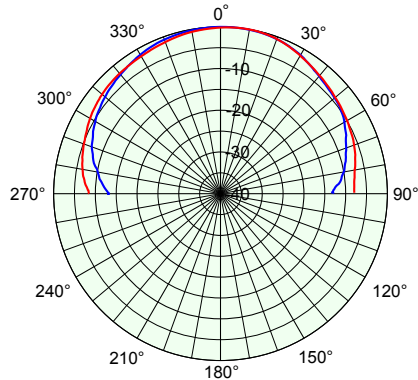
Data Sheet

Antenna Patterns

Key

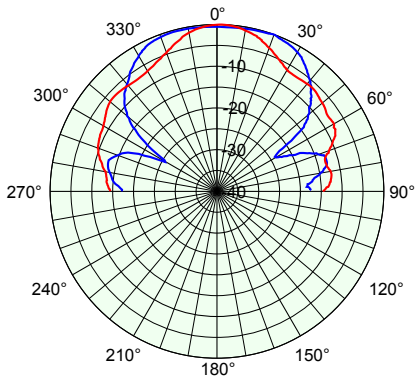


2 GHz



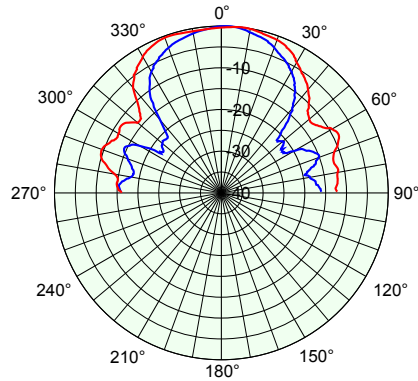
Angle (Degrees)

6 GHz



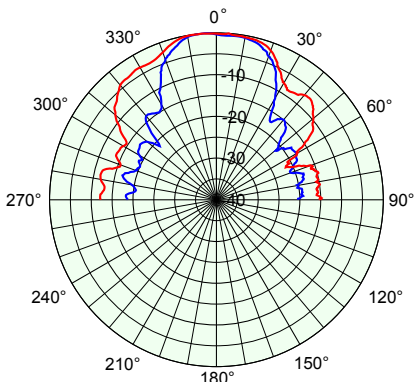
Angle (Degrees)

10 GHz



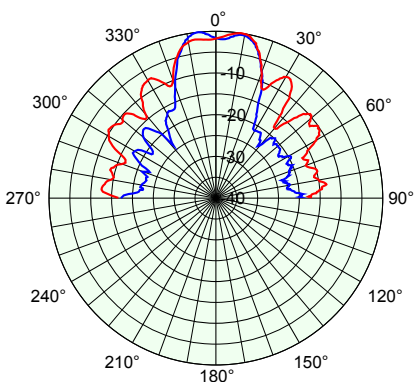
Angle (Degrees)

14 GHz



Angle (Degrees)

18 GHz



Angle (Degrees)

Data Sheet

Designed and Manufactured in England to the Highest Standards

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