



Q-par Angus Ltd

IDEAS ENGINEERED

2 - 8 GHz Ridged Wideband Horn Antenna



Model Number WBH2-8N13

- Robust, proven design
- Gain 11 - 15 dBi across the band
- Good wideband performance in a small package
- Weather proofed versions available
- An antenna test report is provided with each horn
- NSN P/N 5985-99-842-7053

The WBH2-8N13 2 - 8 GHz ridged wide-band horn is ruggedly manufactured from aluminium and composite materials, providing consistent and reliable performance. The horn will be useful in applications such as EMC emissions or immunity tests, spectrum management and general lab measurements or in other situations requiring wide bandwidth and high gain. Test equipment inventory can be simplified since this antenna is the equivalent of three conventional waveguide horns.

A protective window can be fitted to provide weather proofing. Alternative connectors, including SMA, are available on request.

Accessories

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

Other models available

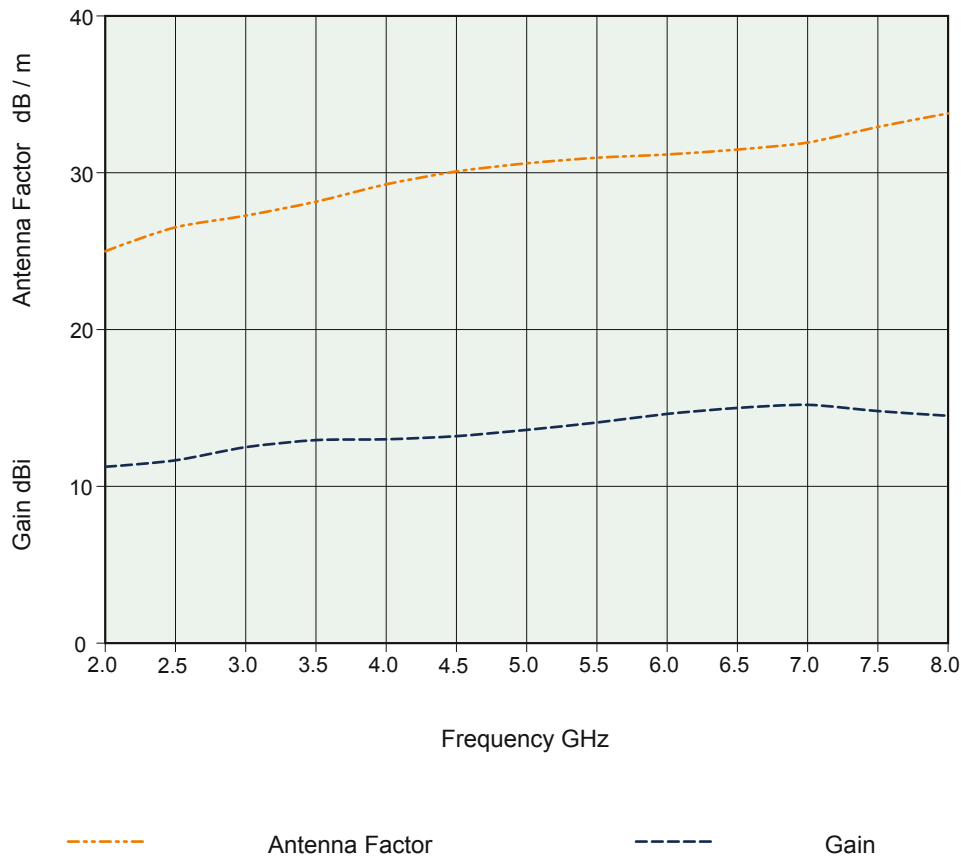
WBF2-8N - Antenna Feed Version
WBH2-8N13HP - High Power Version
WBH2-18# - Ultra Wideband Antenna

Datasheet

Typical Specification

Frequency	2 - 8 GHz
Gain	11 - 15 dBi
Antenna Factor	25 - 33.8 dB/m
3 dB Beamwidth	55° - 20°
VSWR	< 2 : 1
Radome	Available on request
Construction	Aluminium / Composite Material
Power Handling	100 Watts, c.w.
Dimensions	215 x 215 mm ext. aperture, 330 mm long
Connector Type	N type recommended
Weight	1.9 kg inc. mounting plate
Mounting	Mounting plate 64 x 64 mm, 4 holes diameter 5.2 mm, 50 mm centres

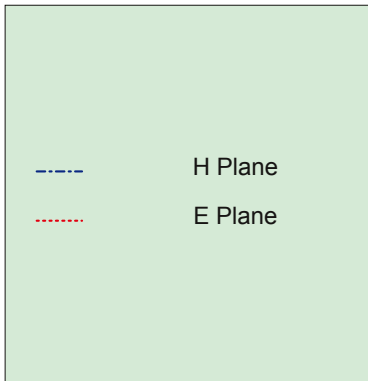
Typical Gain / Antenna Factor



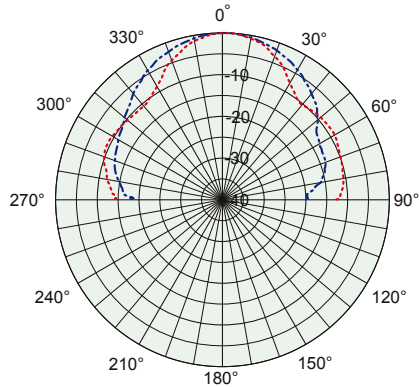
Datasheet

Antenna Patterns

Key

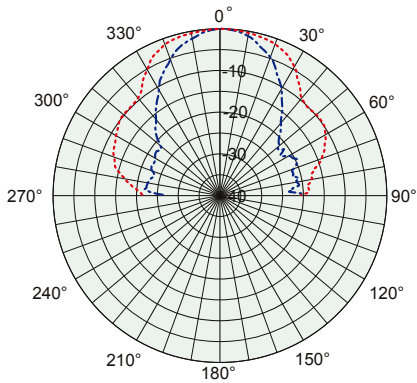


2 GHz



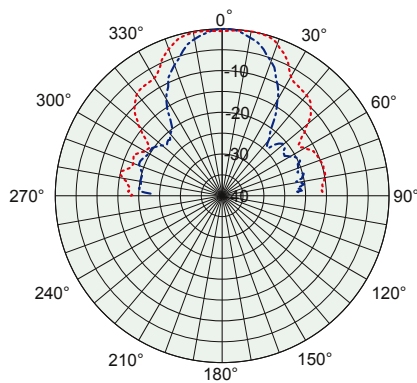
Angle (Degrees)

4 GHz



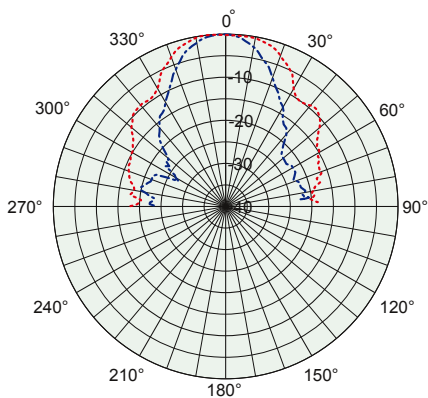
Angle (Degrees)

5 GHz



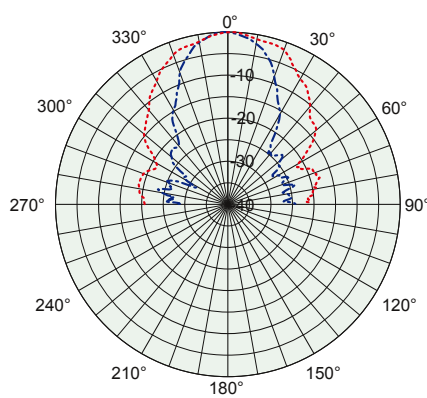
Angle (Degrees)

7 GHz



Angle (Degrees)

8 GHz



Angle (Degrees)

Designed and Manufactured in England to the Highest Standards

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