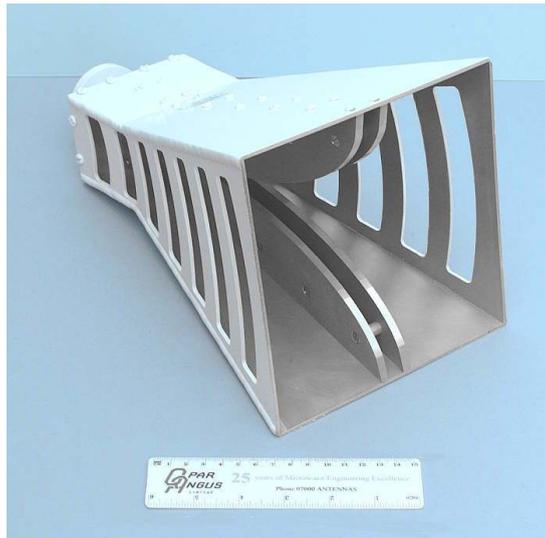


1 - 8 GHz High Power Horn Antenna



Model Number WBH1-8#10HP

- High Power, 1500 W c.w. Capability Across The Band
- High Gain, 5.5 - 16.8 dBi
- N, 7:16 DIN and 7/8 IEC Connectors Available
- Robust, Highest Quality Product
- Uses Include High Power RF Environments ie EMC Testing

High power rating and wide bandwidth are usually incompatible in wide band antennas.

This horn uses a conventional double ridged radiating region driven by a specialised coaxial to triplate balun transformer, developed through extensive simulation. Such a transformer can be made much larger than conventional types before overmoding occurs. Thus the mean power rating is correspondingly higher, and is typically limited by the input coaxial connector size.

A wide variety of high power input connectors is available. These include type N, 7:16 DIN and 7/8 IEC, and the type is specified by means of the hash (#) symbol in the model number, as shown in the specification table.

Accessories

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

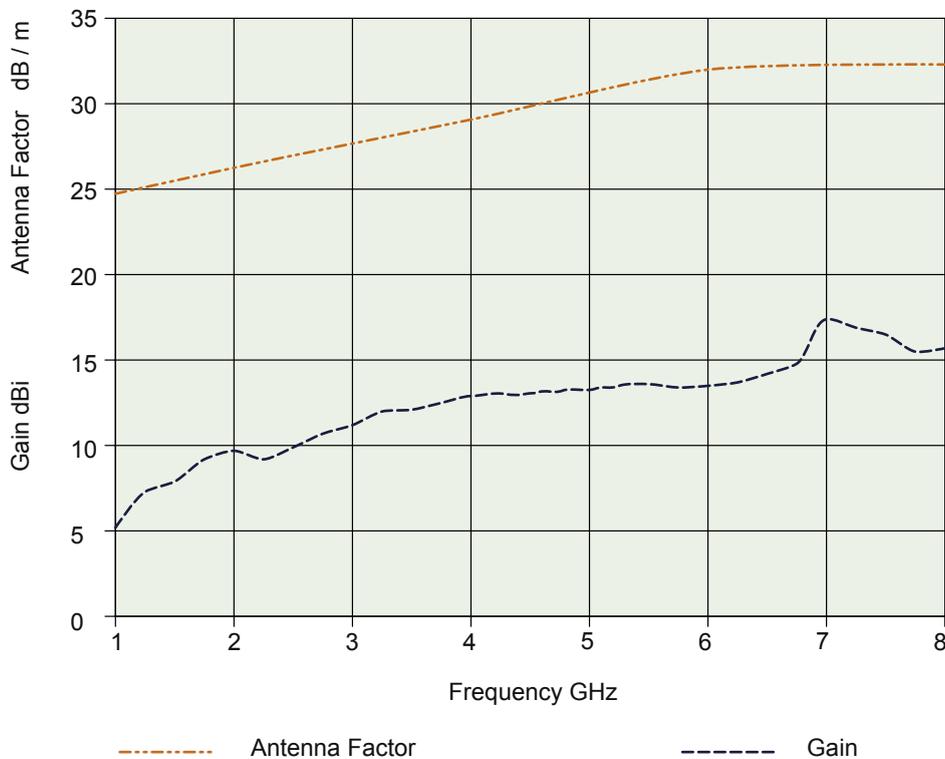
Other models available

WBH8-18#HP - High Power 8 - 18 GHz horn
WBH2-18#HG - High Gain 2 - 18 GHz horn

Typical Specification

Frequency	1 - 8 GHz	
Gain	5.5 - 16.8 dBi	
Antenna Factor	24.5 - 32.3 dB/m	
3dB Beamwidth	81° - 16°	
Typical VSWR	< 1.7 : 1	
Construction	Aluminium / Brass	
Maximum Power Handling	Peak	C.W.
<i>Type N Connector</i>	1.5 kW	0.35 kW
<i>7:16 DIN Connector</i>	1.5 kW	0.7 kW
<i>7/8 IEC Connector</i>	1.5 kW	1.5 kW
Dimensions	185 x 182 x 325 mm long	
Connector Type	<i>Type N</i> (#='N')	
	<i>7:16 DIN</i> (#='A')	
	<i>7/8 IEC</i> (#='B')	
Mounting	Customer Specified	
Weight	1.7 kg	

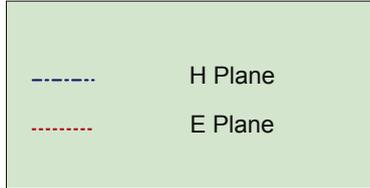
Typical Gain / Antenna Factor



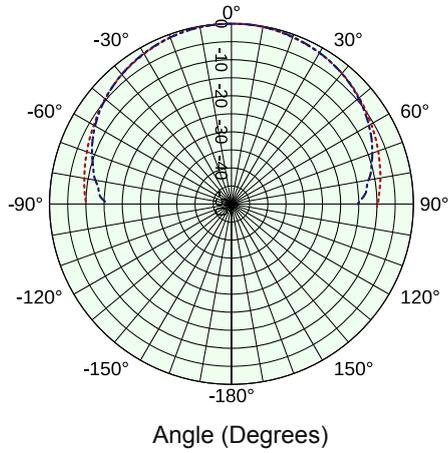
Data Sheet

Antenna Patterns

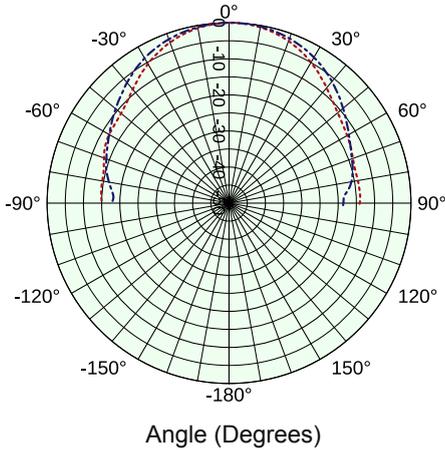
Key



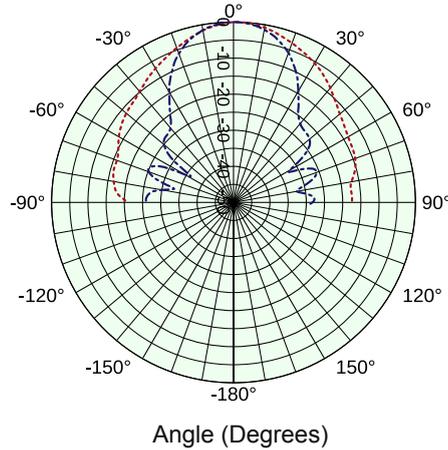
1 GHz



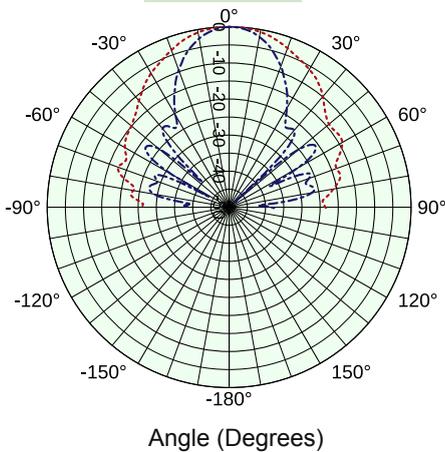
2 GHz



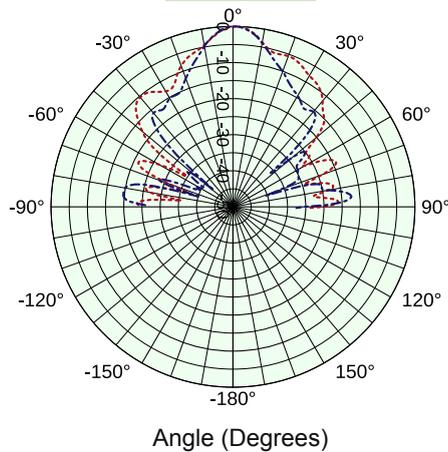
4 GHz



6 GHz



8 GHz



Designed and Manufactured in England to the Highest Standards

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