

Wideband Horn Specifications



Flanged antennas will have a shorter length L than stated in the table as they will not have the coaxial transition section.



Frequency (GHz)	Part Number	Gain (dBi)	Power (W c.w.)	Connector Options	VSWR	Isolation (dB)	Beamwidth (degrees)	Weight (kg)	H (mm)	E (mm)	L (mm)
A 0.5 - 2.5	WBH0.5-2N13	7.4 - 14.5	250	N	< 1.8:1 (95 % of band)	N/A	70 - 25	9.7	404	404	570
B 0.9 - 18	WBHDP0.9-18S Dual Polarised	4.5 - 13.4	40	S	< 2:1	> 25	120 - 20	1.7	215 mm Diameter		230
C 1 - 2	WBH1-2N10	7 - 12	300	N	< 1.8:1	N/A	60 - 35	3.0	285	281	290
D 1 - 8	WBH1-8B10HP	5.5 - 16.8	1.5 kW c.w	7/8" IEC	< 1.7:1	N/A	80 - 15	1.7	185	182	325
E 1 - 18	WBH1-18S	1.3 - 12.8	40	S	< 2:1	N/A	280 - 20	0.7	96	90	148
2 - 4	WBH2-4#17	16.4 - 18.1	10 kW peak 750 W c.w.	SC / F	< 1.6:1	N/A	25 - 15	15.8	555	426	986
F 2 - 8	WBH2-8#13	11.5 - 15	100 (N)	S / N / SC	< 1.6:1	N/A	56 - 20	1.9	215	215	325
G 2 - 18	WBH2-18#	7 - 13	20 (S) 50 (N)	S / N	< 2.5:1	N/A	90 - 10	0.37	119	86	119
2 - 18	WBH2-18#HG	10 - 21	50 (S) 80 (N)	S / N	< 2:1 typ.	N/A	60 - 9	2.7	165	165	622
2 - 18	WBHDP2-18# Dual Polarised	6.8 - 18	40 (S)	S / N	< 2.5:1 typ.	> 25	70 - 12	2.5	125	125	304
2 - 18	WBHDP2-18#HG Dual Polarised	10.6 - 22.4	40 (S)	S / N	< 2.5:1 typ.	> 20	56 - 8	1.9	174	174	440
G 2 - 24	WBH2-24S	7 - 13	20 (S)	S	< 2.5:1 typ.	N/A	90 - 10	0.37	119	86	119
4 - 8	WBH4-8#20	18.4 - 20.9	2 kW (F) 50 (S)	F / S	< 1.3:1 (F) < 1.7:1 (S)	N/A	17 - 11.3	7.6	367	285	890
H 6.5 - 18	WBH6.5-18#15	8.8 - 17	50 (S) 400 (N) 2 kW (F)	F / S / N	< 1.5:1 (N)	N/A	60 - 20	0.8	57	47	222
I 7.5 - 18	WBH8-18#20	20.2 - 21.4	2 kW (F)	F / S / N	< 1.2:1 (F)	N/A	14 - 20	3.4	183	143	420
I 18 - 40	WBH18-40#	12.3 - 14.8	200 (F) 20 (K)	F / K	< 1.6:1 (K)	N/A	43 - 24.6	0.14	35	28	73
J 18 - 40	WBHDP18-40K Dual Polarised	12 - 16.9	20	K	< 2.5:1 typ.	> 25	41 - 20	0.25	47	47	68



N-type connector
Waveguide Flange
SC connector
SMA connector
K-type connector
High Gain
7/8" IEC connector

N =
F =
SC =
S =
K =
HG =
B =

All are Female (Jack) unless otherwise stated.