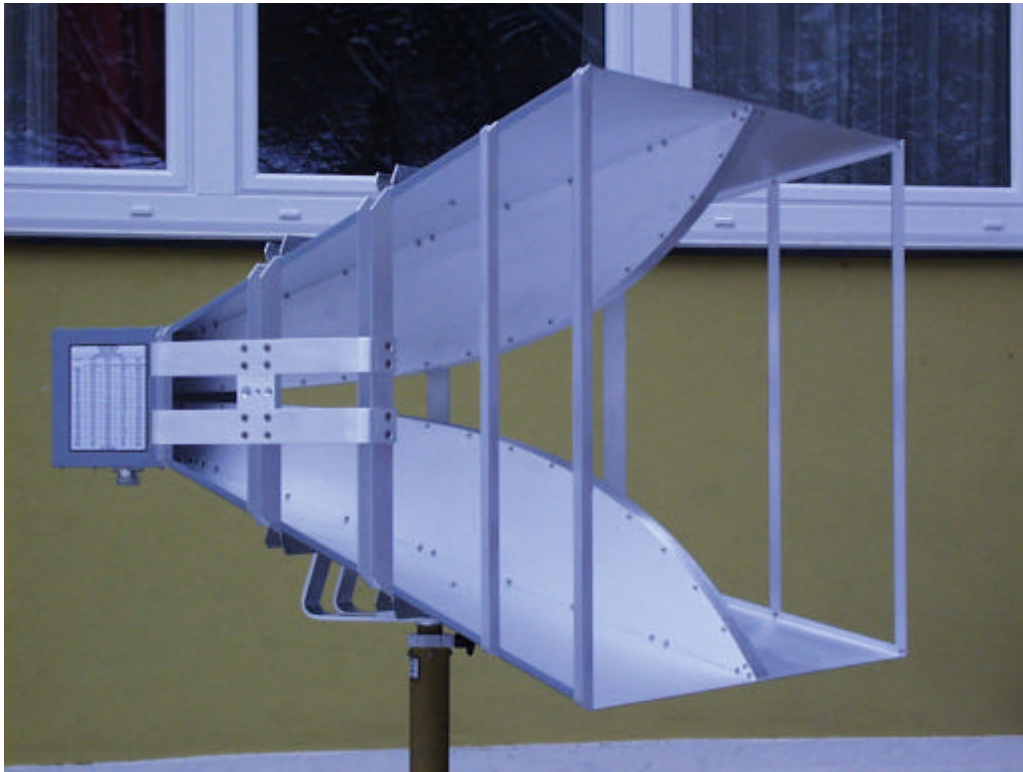


SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Doppelsteg Breitband-Hornantenne BBHA 9120 F Double Ridged Broadband Horn Antenna BBHA 9120 F



Technische Daten:

Linear polarisierte Doppelsteg Breitband Hornantenne in Aluminiumausführung für Empfangs- und Sendeanwendungen. Für hohe Leistungen kann die Antenne optional mit 7-16 Buchse ausgestattet werden.

Frequenzbereich, nominell:

200 MHz...2 GHz

Isotropgewinn (Fernfeld):

12 dBi +/- 2 dB (0.3-2 GHz)

Antennenfaktor (Fernfeld):

11...26 dB/m

Impedanz, nominell:

50 Ω

Stehwellenverhältnis SWR typisch:

2

Stehwellenverhältnis SWR max.:

3.5

Vor- Rückverhältnis:

typ. 25 dB

Polarisationsentkopplung:

typ. > 25 dB

3 dB Öffnungswinkel typ.(E-Ebene):

45°

3 dB Öffnungswinkel typ.(H-Ebene):

45°

Max. Eingangsleistung:

1.5 kW @ 200 MHz

Anschlußart: N-Buchse

0.5 kW @ 2 GHz

Max. Eingangsleistung:

3.5 kW @ 200 MHz

Option: 7-16 Buchse

1.5 kW @ 2 GHz

Halterung (Zentralbefestigung):

3/8", M12

Breite x Länge x Dicke:

950 x 680 x 960 mm

Gewicht:

16 kg

Empfohlenes Zubehör:

AM 9144 Mast

Specifications:

Linear polarized double ridged broadband horn antenna for receive and transmit applications made of aluminium. An optional 7-16 connector is available for high power applications.

Nominal Frequency Range:

Isotropic Gain (Farfield):

Antenna Factor (Farfield):

Nominal Impedance:

Standing Wave Ratio SWR typical:

Standing Wave Ratio SWR max.:

Front to Back Ratio:

Cross Polarisation:

3 dB Beamwidth typ. (E-Plane):

3 dB Beamwidth typ. (H-Plane):

Max. Input Power:

N-Connector female

Max. Input Power:

Option: 7-16 connector female

Center Mount:

Width x Length x Thickness:

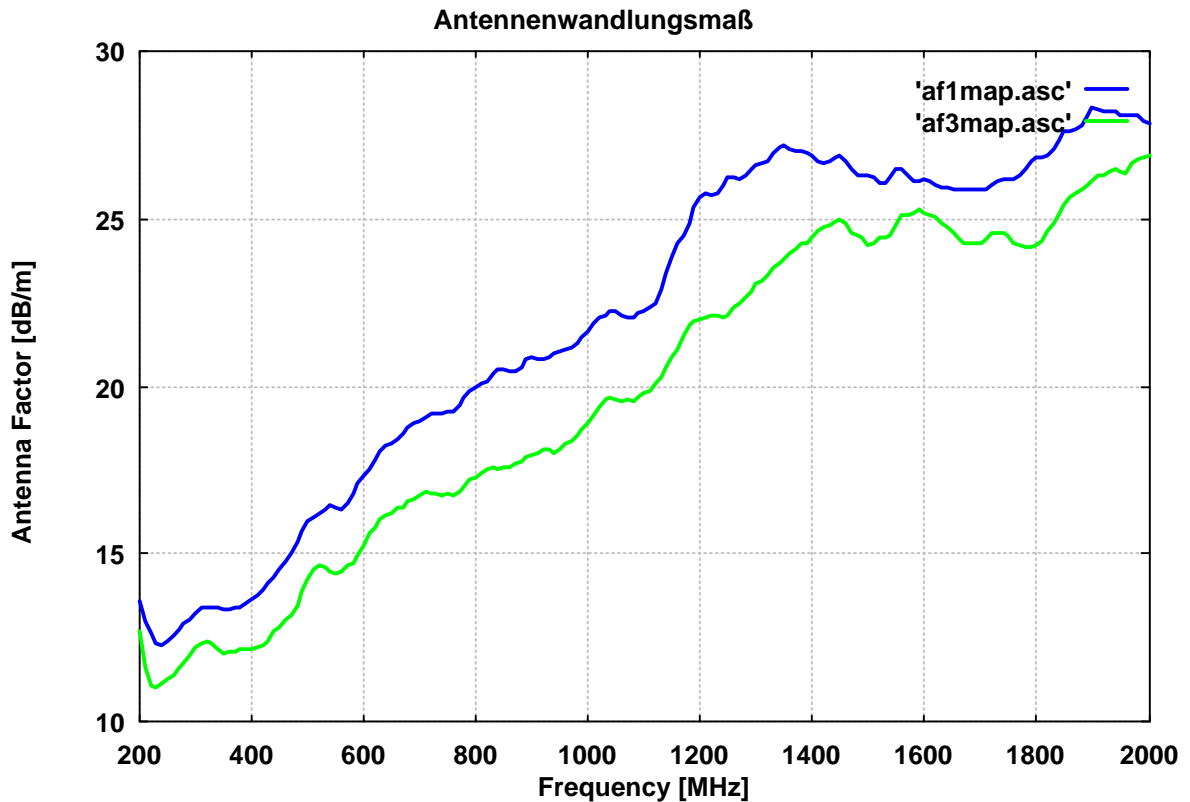
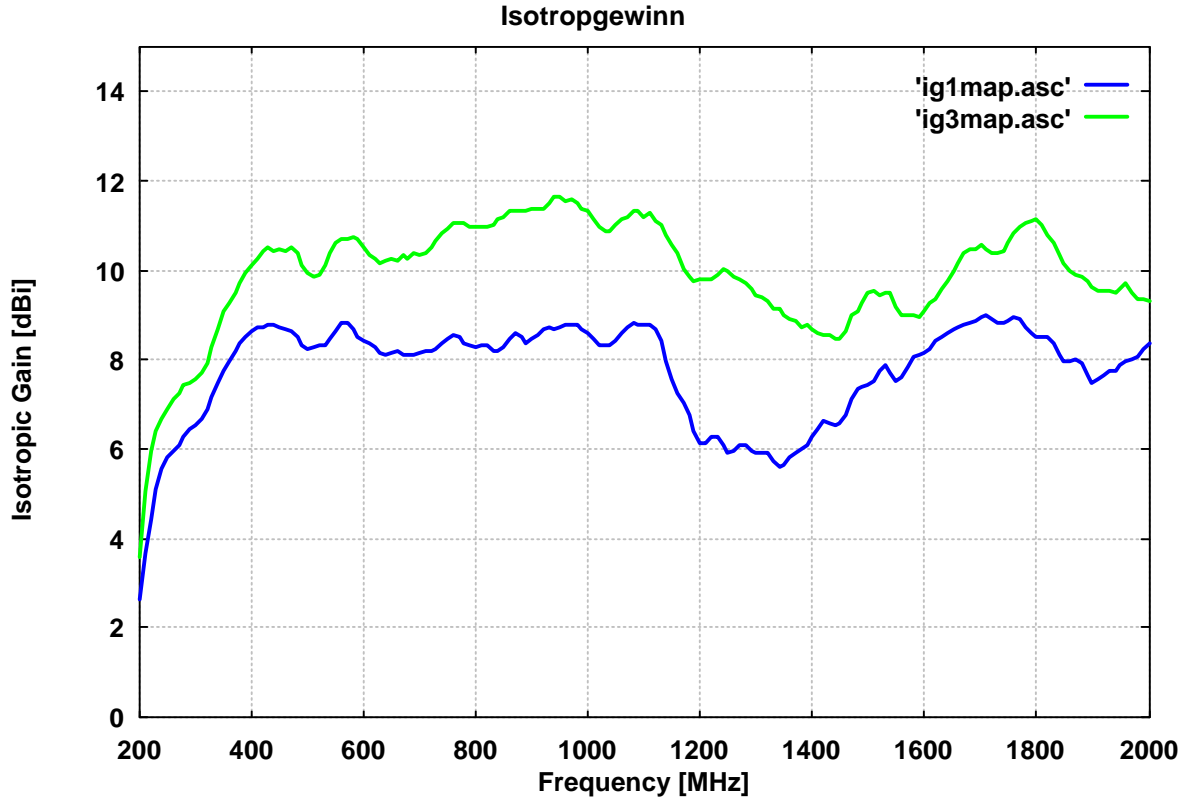
Weight:

Recommended Accessories:

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An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Doppelsteg Breitband-Hornantenne BBHA 9120 F *Double Ridged Broadband Horn Antenna BBHA 9120 F*



SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Doppelsteg Breitband-Hornantenne BBHA 9120 F *Double Ridged Broadband Horn Antenna BBHA 9120 F*

Frequency	Isotropic gain 1 m Aperture	Antenna factor 1 m Aperture	Isotropic gain 3 m Aperture	Antenna factor 3 m Aperture
[MHz]	[dBi]	[dB/m]	[dBi]	[dB/m]
180.00	-0.24	15.57	-1.36	16.69
190.00	1.33	14.47	1.17	14.63
200.00	2.66	13.58	3.57	12.67
210.00	3.67	12.99	5.07	11.59
220.00	4.44	12.63	5.97	11.10
230.00	5.12	12.33	6.42	11.03
240.00	5.55	12.27	6.68	11.14
250.00	5.80	12.38	6.91	11.27
260.00	5.97	12.55	7.14	11.38
270.00	6.10	12.75	7.26	11.59
280.00	6.26	12.90	7.41	11.75
290.00	6.44	13.03	7.49	11.98
300.00	6.53	13.23	7.58	12.18
310.00	6.66	13.39	7.71	12.34
320.00	6.92	13.40	7.94	12.38
330.00	7.19	13.40	8.28	12.31
340.00	7.47	13.38	8.68	12.17
350.00	7.74	13.36	9.07	12.03
360.00	7.99	13.36	9.25	12.10
370.00	8.21	13.37	9.48	12.10
380.00	8.40	13.42	9.70	12.12
390.00	8.53	13.51	9.92	12.12
400.00	8.64	13.62	10.12	12.14
410.00	8.72	13.76	10.25	12.23
420.00	8.75	13.93	10.43	12.25
430.00	8.77	14.12	10.52	12.37
440.00	8.77	14.32	10.42	12.67
450.00	8.75	14.53	10.46	12.82
460.00	8.70	14.78	10.44	13.04
470.00	8.63	15.03	10.52	13.14
480.00	8.49	15.35	10.39	13.45
490.00	8.34	15.68	10.14	13.88
500.00	8.25	15.95	9.95	14.25
510.00	8.28	16.09	9.85	14.52
520.00	8.32	16.22	9.89	14.65
530.00	8.35	16.36	10.12	14.59
540.00	8.44	16.43	10.40	14.47
550.00	8.64	16.39	10.62	14.41
560.00	8.83	16.35	10.69	14.49
570.00	8.83	16.51	10.70	14.64
580.00	8.67	16.82	10.75	14.74
590.00	8.51	17.13	10.70	14.94
600.00	8.43	17.35	10.52	15.26
610.00	8.38	17.55	10.34	15.59
620.00	8.27	17.80	10.26	15.81
630.00	8.15	18.06	10.19	16.02
640.00	8.12	18.22	10.22	16.12
650.00	8.17	18.31	10.24	16.24
[MHz]	[dBi]	[dB/m]	[dBi]	[dB/m]

SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Doppelsteg Breitband-Hornantenne BBHA 9120 F *Double Ridged Broadband Horn Antenna BBHA 9120 F*

Frequency	Isotropic gain 1 m Aperture	Antenna factor 1 m Aperture	Isotropic gain 3 m Aperture	Antenna factor 3 m Aperture
[MHz]	[dBi]	[dB/m]	[dBi]	[dB/m]
660.00	8.19	18.42	10.23	16.38
670.00	8.12	18.62	10.34	16.40
680.00	8.09	18.78	10.27	16.60
690.00	8.10	18.90	10.37	16.63
700.00	8.16	18.96	10.36	16.76
710.00	8.19	19.06	10.40	16.85
720.00	8.19	19.18	10.53	16.84
730.00	8.26	19.23	10.65	16.84
740.00	8.38	19.22	10.84	16.76
750.00	8.46	19.26	10.93	16.79
760.00	8.56	19.28	11.06	16.78
770.00	8.50	19.45	11.07	16.88
780.00	8.40	19.66	11.05	17.01
790.00	8.33	19.84	10.97	17.20
800.00	8.29	19.99	10.98	17.30
810.00	8.32	20.07	10.97	17.42
820.00	8.32	20.18	10.96	17.54
830.00	8.19	20.41	11.02	17.58
840.00	8.18	20.53	11.16	17.55
850.00	8.27	20.54	11.20	17.61
860.00	8.46	20.45	11.31	17.60
870.00	8.58	20.43	11.32	17.69
880.00	8.52	20.59	11.34	17.77
890.00	8.40	20.81	11.34	17.87
900.00	8.46	20.84	11.39	17.91
910.00	8.57	20.83	11.37	18.03
920.00	8.70	20.80	11.40	18.10
930.00	8.72	20.87	11.50	18.09
940.00	8.71	20.97	11.65	18.03
950.00	8.74	21.03	11.65	18.12
960.00	8.76	21.11	11.55	18.32
970.00	8.80	21.16	11.58	18.38
980.00	8.79	21.25	11.52	18.52
990.00	8.70	21.43	11.39	18.74
1000.00	8.59	21.63	11.33	18.89
1010.00	8.44	21.87	11.15	19.16
1020.00	8.35	22.04	10.99	19.40
1030.00	8.34	22.14	10.88	19.60
1040.00	8.34	22.22	10.89	19.67
1050.00	8.41	22.23	11.02	19.62
1060.00	8.59	22.14	11.14	19.59
1070.00	8.74	22.07	11.20	19.61
1080.00	8.83	22.06	11.31	19.58
1090.00	8.80	22.17	11.31	19.66
1100.00	8.78	22.27	11.22	19.83
1110.00	8.78	22.35	11.27	19.86
1120.00	8.71	22.49	11.12	20.08
1130.00	8.41	22.87	11.00	20.28
1140.00	7.99	23.37	10.79	20.57
[MHz]	[dBi]	[dB/m]	[dBi]	[dB/m]

SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Doppelsteg Breitband-Hornantenne BBHA 9120 F *Double Ridged Broadband Horn Antenna BBHA 9120 F*

Frequency	Isotropic gain 1 m Aperture	Antenna factor 1 m Aperture	Isotropic gain 3 m Aperture	Antenna factor 3 m Aperture
[MHz]	[dBi]	[dB/m]	[dBi]	[dB/m]
1150.00	7.56	23.87	10.56	20.87
1160.00	7.27	24.24	10.38	21.13
1170.00	7.05	24.53	10.03	21.55
1180.00	6.76	24.90	9.84	21.82
1190.00	6.39	25.34	9.78	21.95
1200.00	6.14	25.66	9.81	21.99
1210.00	6.13	25.75	9.80	22.08
1220.00	6.26	25.69	9.81	22.14
1230.00	6.27	25.75	9.88	22.14
1240.00	6.10	25.99	10.04	22.05
1250.00	5.92	26.24	10.01	22.15
1260.00	5.96	26.27	9.85	22.38
1270.00	6.09	26.21	9.82	22.48
1280.00	6.07	26.29	9.73	22.63
1290.00	5.97	26.46	9.59	22.84
1300.00	5.91	26.59	9.44	23.06
1310.00	5.93	26.64	9.42	23.15
1320.00	5.92	26.71	9.31	23.32
1330.00	5.75	26.95	9.15	23.55
1340.00	5.61	27.15	9.12	23.64
1350.00	5.63	27.20	9.02	23.81
1360.00	5.80	27.09	8.91	23.98
1370.00	5.93	27.02	8.85	24.10
1380.00	6.01	27.01	8.75	24.27
1390.00	6.10	26.98	8.79	24.29
1400.00	6.25	26.89	8.67	24.47
1410.00	6.47	26.73	8.59	24.61
1420.00	6.62	26.65	8.54	24.73
1430.00	6.60	26.73	8.54	24.79
1440.00	6.56	26.83	8.47	24.92
1450.00	6.57	26.88	8.46	24.99
1460.00	6.76	26.75	8.66	24.85
1470.00	7.10	26.47	9.00	24.57
1480.00	7.35	26.28	9.10	24.53
1490.00	7.40	26.28	9.25	24.43
1500.00	7.44	26.30	9.51	24.23
1510.00	7.54	26.26	9.56	24.24
1520.00	7.77	26.09	9.44	24.42
1530.00	7.86	26.05	9.47	24.44
1540.00	7.70	26.27	9.47	24.50
1550.00	7.53	26.50	9.20	24.83
1560.00	7.61	26.47	8.99	25.09
1570.00	7.85	26.29	9.02	25.12
1580.00	8.04	26.15	9.02	25.17
1590.00	8.11	26.14	8.98	25.27
1600.00	8.14	26.16	9.10	25.20
1610.00	8.24	26.12	9.26	25.10
1620.00	8.41	26.00	9.34	25.07
1630.00	8.51	25.95	9.58	24.88
[MHz]	[dBi]	[dB/m]	[dBi]	[dB/m]

SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Doppelsteg Breitband-Hornantenne BBHA 9120 F **Double Ridged Broadband Horn Antenna BBHA 9120 F**

Frequency	Isotropic gain 1 m Aperture	Antenna factor 1 m Aperture	Isotropic gain 3 m Aperture	Antenna factor 3 m Aperture
[MHz]	[dBi]	[dB/m]	[dBi]	[dB/m]
1640.00	8.59	25.93	9.78	24.74
1650.00	8.67	25.90	9.98	24.59
1660.00	8.72	25.90	10.15	24.47
1670.00	8.78	25.89	10.39	24.28
1680.00	8.83	25.90	10.48	24.25
1690.00	8.88	25.90	10.48	24.30
1700.00	8.96	25.87	10.59	24.24
1710.00	8.99	25.89	10.49	24.39
1720.00	8.92	26.01	10.37	24.56
1730.00	8.83	26.15	10.39	24.59
1740.00	8.83	26.20	10.44	24.59
1750.00	8.88	26.20	10.60	24.48
1760.00	8.94	26.19	10.83	24.30
1770.00	8.89	26.29	10.96	24.22
1780.00	8.75	26.48	11.06	24.17
1790.00	8.58	26.70	11.10	24.18
1800.00	8.51	26.82	11.13	24.20
1810.00	8.51	26.86	11.03	24.34
1820.00	8.51	26.91	10.78	24.64
1830.00	8.38	27.09	10.60	24.87
1840.00	8.12	27.40	10.34	25.18
1850.00	7.96	27.60	10.15	25.41
1860.00	7.98	27.63	10.00	25.61
1870.00	8.01	27.65	9.90	25.76
1880.00	7.91	27.79	9.84	25.86
1890.00	7.64	28.11	9.77	25.98
1900.00	7.47	28.33	9.64	26.16
1910.00	7.56	28.28	9.55	26.29
1920.00	7.66	28.23	9.56	26.33
1930.00	7.73	28.20	9.53	26.40
1940.00	7.77	28.21	9.49	26.49
1950.00	7.90	28.12	9.60	26.42
1960.00	7.99	28.08	9.70	26.37
1970.00	8.01	28.10	9.47	26.64
1980.00	8.08	28.07	9.36	26.79
1990.00	8.26	27.94	9.35	26.85
2000.00	8.38	27.86	9.33	26.91
2010.00	8.30	27.98	8.87	27.41
2020.00	7.87	28.46	8.53	27.80
2030.00	7.31	29.06	8.33	28.04
2040.00	6.75	29.66	7.88	28.53
2050.00	5.77	30.69	7.13	29.33
[MHz]	[dBi]	[dB/m]	[dBi]	[dB/m]