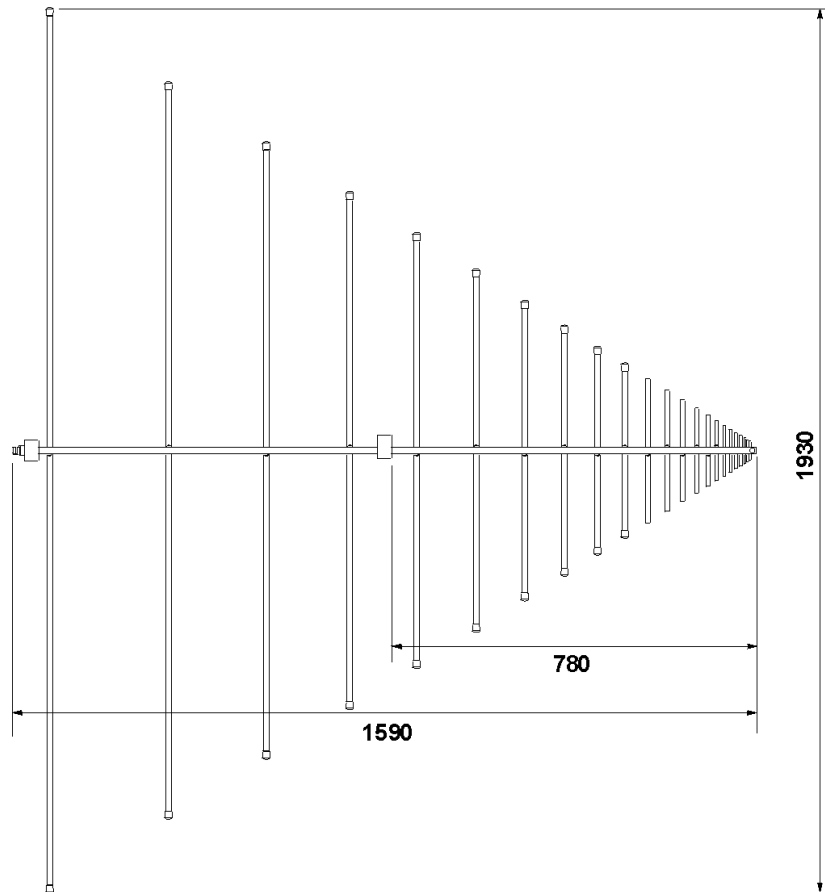


SCHWARZBECK MESS - ELEKTRONIK

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

Log. - Per. Breitband-Antenne VUSLP 9111 E

Log. - Per. Broadband Antenna VUSLP 9111 E



Technische Daten:

VUSLP 9111E

Specifications:

Type:

Bauart:
Linear polarisierte Logarithmisch
Periodische Breitbandantenne in
Aluminiumausführung für Empfangs-
und Sendeanwendungen.

*Linear polarized Logarithmic Periodic
Broadband Antenna (Aluminium
tubing) for Receive and Transmit
Applications.*

Frequenzbereich, nominell: 70 MHz...3 GHz
Nutzbarer Frequenzbereich: 65 MHz ... 4 GHz
Isotropiegewinn: typ. 6.3 dBi + / - 1.3 dB
Antennenfaktor: 4 ... 35 dB/m
Impedanz, nominell: 50 Ω
Stehwellenverhältnis SWR max.: < 2.8 (f > 2.3 GHz)
Stehwellenverhältnis SWR typisch: < 1.5
Vor- Rückverhältnis: typ. 20 dB
Polarisationsentkopplung: >20 dB (65 MHz...1.3 GHz)
3 dB Öffnungswinkel typ.(E-Ebene): 45°-65°
3 dB Öffnungswinkel typ.(H-Ebene): 90°-120°
Max. Eingangsleistung: 1000 W (<300 MHz)
300 W (1 GHz)

*Nominal Frequency Range:
Usable Frequency Range:
Isotropic Gain:
Antenna Factor:
Nominal Impedance:
Standing Wave Ratio SWR max.:
Standing Wave Ratio SWR typical:
Front to Back Ratio:
Cross Polarisation:
3 dB Beamwidth typ. (E-Plane):
3 dB Beamwidth typ. (H-Plane):
Max. Input Power:*

Anschlußart: N-Buchse
Zentralbefestigung: 3/8" & M 12
Breite x Länge x Dicke: 1.93 x 1.59 x 0.11 m
Gewicht: 3.1 kg
Empfohlenes Zubehör: AM 9144 Mast
KG 9201 Adapter

*N-Connector female
Center Mount:
Width x Length x Thickness:
Weight:
Recommended Accessories:*



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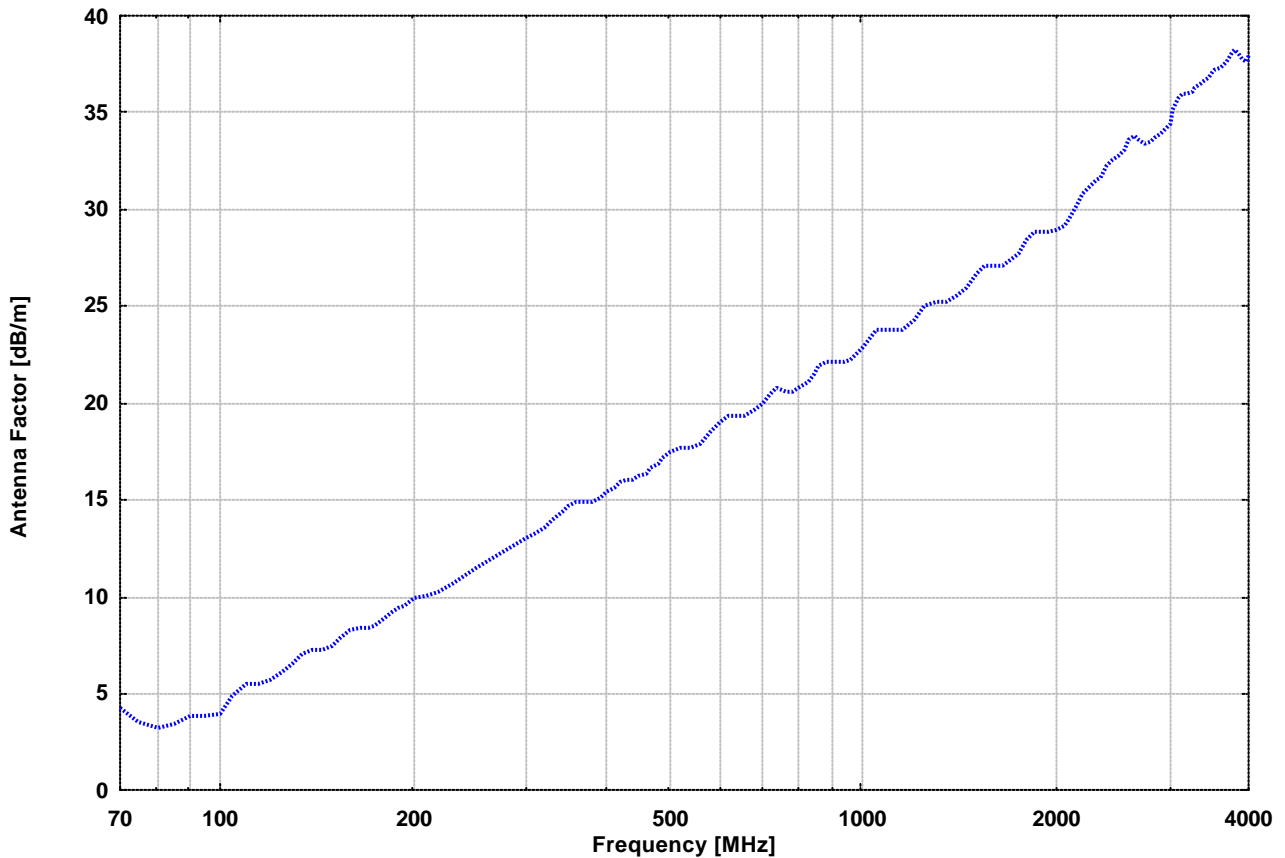
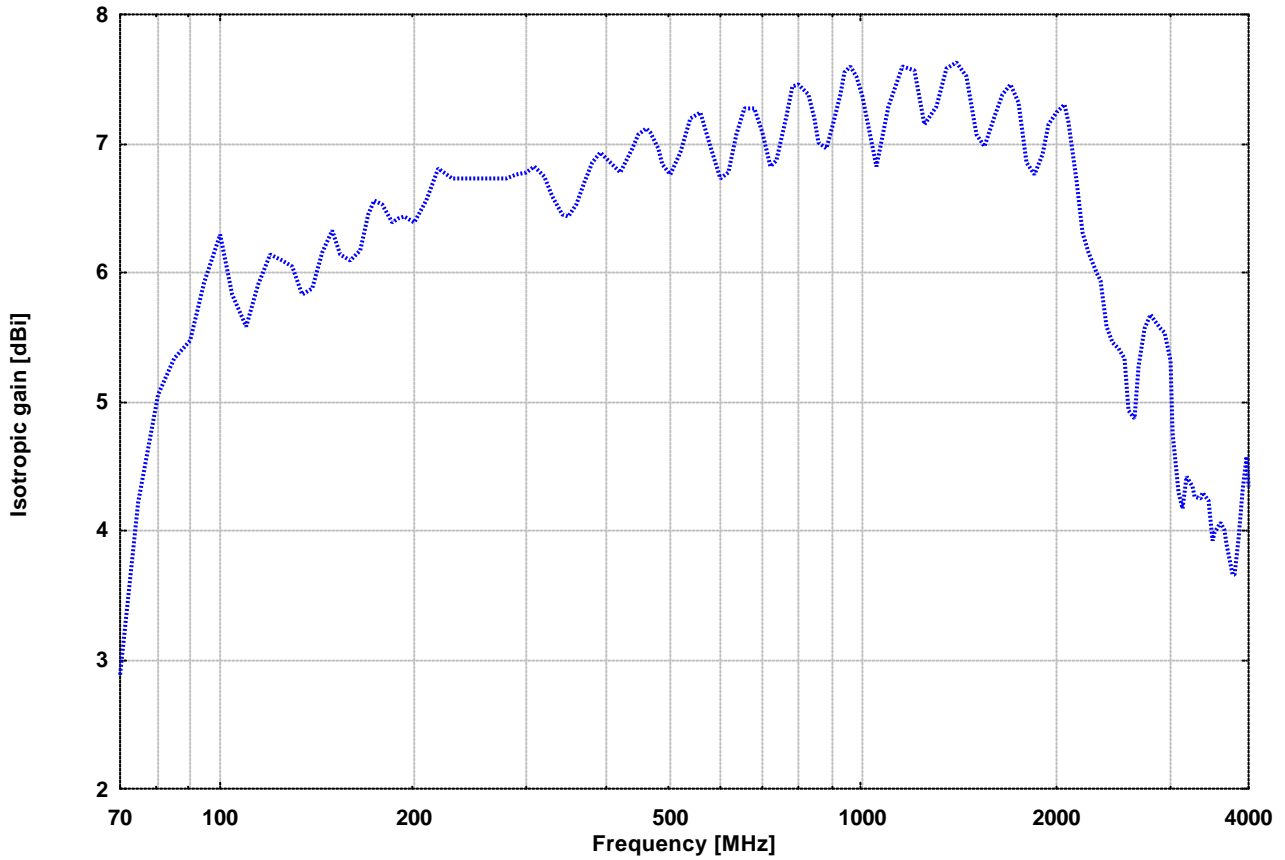
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Log. - Per. Breitband-Antenne VUSLP 9111 E

Log. - Per. Broadband Antenna VUSLP 9111 E

Frequency	Distance	Wavelength	Attenuation	Gain (Isotr.)	Gain (Dipole)	Ant.-Factor
Frequenz	Abstand	Wellenlänge	Dämpfung	Isotrop-gewinn	Gewinn über Dipol	Ant.-Wandlungsmaß
MHz	m	m	dB	dBi	dBd	dB/m
65.00	4.80	4.62	23.44	-0.56	-2.71	7.04
70.00	4.80	4.29	17.19	2.89	0.74	4.23
75.00	4.80	4.00	15.15	4.21	2.06	3.51
80.00	4.61	3.75	13.67	5.05	2.90	3.23
85.00	4.44	3.53	13.30	5.34	3.19	3.47
90.00	4.30	3.33	13.24	5.47	3.32	3.83
95.00	4.16	3.16	12.52	5.93	3.78	3.84
100.00	4.04	3.00	11.99	6.29	4.14	3.93
105.00	3.94	2.86	13.11	5.83	3.68	4.82
110.00	3.84	2.73	13.77	5.59	3.44	5.46
115.00	3.75	2.61	13.32	5.91	3.76	5.53
120.00	3.66	2.50	13.04	6.13	3.98	5.67
125.00	3.59	2.40	13.30	6.09	3.94	6.07
130.00	3.52	2.31	13.58	6.04	3.88	6.46
135.00	3.45	2.22	14.14	5.84	3.69	6.99
140.00	3.39	2.14	14.24	5.87	3.72	7.27
145.00	3.34	2.07	13.84	6.15	4.00	7.30
150.00	3.29	2.00	13.66	6.32	4.17	7.42
155.00	3.24	1.94	14.19	6.13	3.98	7.90
160.00	3.19	1.87	14.42	6.09	3.94	8.21
165.00	3.15	1.82	14.40	6.18	4.03	8.39
170.00	3.11	1.76	13.99	6.45	4.30	8.37
175.00	3.07	1.71	13.94	6.55	4.40	8.53
180.00	3.03	1.67	14.12	6.53	4.38	8.79
185.00	3.00	1.62	14.55	6.39	4.24	9.18
190.00	2.97	1.58	14.63	6.42	4.27	9.38
195.00	2.94	1.54	14.75	6.43	4.28	9.59
200.00	2.91	1.50	14.97	6.38	4.23	9.86
210.00	2.85	1.43	14.87	6.56	4.41	10.10
220.00	2.81	1.36	14.65	6.80	4.65	10.27
230.00	2.76	1.30	15.01	6.74	4.59	10.71
240.00	2.72	1.25	15.29	6.72	4.57	11.10
250.00	2.68	1.20	15.50	6.74	4.58	11.44
260.00	2.65	1.15	15.74	6.72	4.57	11.79
270.00	2.61	1.11	15.96	6.73	4.57	12.12
280.00	2.58	1.07	16.16	6.74	4.59	12.43
290.00	2.56	1.03	16.32	6.76	4.61	12.71
300.00	2.53	1.00	16.50	6.77	4.62	12.99
310.00	2.51	0.97	16.61	6.82	4.67	13.23
320.00	2.48	0.94	16.94	6.75	4.60	13.57
330.00	2.46	0.91	17.46	6.59	4.44	14.00
340.00	2.44	0.88	17.92	6.45	4.30	14.40
350.00	2.42	0.86	18.12	6.44	4.29	14.66
360.00	2.40	0.83	18.12	6.53	4.38	14.81
370.00	2.39	0.81	17.98	6.69	4.54	14.89
380.00	2.37	0.79	17.84	6.85	4.70	14.97
390.00	2.36	0.77	17.85	6.93	4.78	15.11
400.00	2.34	0.75	18.12	6.88	4.73	15.38
410.00	2.33	0.73	18.42	6.81	4.66	15.67
420.00	2.31	0.71	18.63	6.78	4.63	15.90

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Log. - Per. Broadband Antenna VUSLP 9111 E

Frequency	Distance	Wavelength	Attenuation	Gain (Isotr.)	Gain (Dipole)	Ant.-Factor
Frequenz	Abstand	Wellenlänge	Dämpfung	Isotropgewinn	Gewinn über Dipol	Ant.-Wandlungsmaß
MHz	m	m	dB	dBi	dBd	dB/m
430.00	2.30	0.70	18.63	6.86	4.71	16.03
440.00	2.29	0.68	18.58	6.96	4.81	16.13
450.00	2.28	0.67	18.53	7.06	4.91	16.22
460.00	2.27	0.65	18.58	7.11	4.96	16.36
470.00	2.26	0.64	18.78	7.09	4.94	16.58
480.00	2.25	0.63	19.17	6.96	4.81	16.88
490.00	2.24	0.61	19.56	6.84	4.69	17.18
500.00	2.23	0.60	19.85	6.76	4.61	17.44
520.00	2.21	0.58	19.79	6.93	4.78	17.61
540.00	2.19	0.56	19.53	7.19	5.04	17.68
560.00	2.18	0.54	19.66	7.25	5.10	17.93
580.00	2.16	0.52	20.45	6.98	4.83	18.50
600.00	2.15	0.50	21.19	6.73	4.58	19.05
620.00	2.14	0.48	21.34	6.78	4.63	19.29
640.00	2.13	0.47	21.01	7.06	4.91	19.29
660.00	2.12	0.45	20.81	7.27	5.12	19.34
680.00	2.11	0.44	21.02	7.27	5.12	19.60
700.00	2.10	0.43	21.59	7.09	4.94	20.03
720.00	2.09	0.42	22.32	6.83	4.68	20.54
740.00	2.08	0.41	22.45	6.87	4.72	20.74
760.00	2.07	0.39	21.97	7.21	5.05	20.63
780.00	2.06	0.38	21.71	7.44	5.29	20.63
800.00	2.06	0.38	21.84	7.46	5.31	20.82
820.00	2.05	0.37	22.20	7.38	5.23	21.12
840.00	2.04	0.36	22.74	7.19	5.04	21.51
860.00	2.04	0.35	23.30	7.01	4.86	21.90
880.00	2.03	0.34	23.56	6.96	4.81	22.15
900.00	2.03	0.33	23.39	7.13	4.98	22.17
920.00	2.02	0.33	23.07	7.38	5.23	22.12
940.00	2.01	0.32	22.89	7.55	5.40	22.14
960.00	2.01	0.31	22.95	7.60	5.45	22.27
980.00	2.00	0.31	23.28	7.52	5.36	22.53
1000.00	2.00	0.30	23.75	7.36	5.21	22.86
1050.00	1.99	0.29	25.21	6.81	4.66	23.83
1100.00	1.98	0.27	24.64	7.28	5.13	23.77
1150.00	1.97	0.26	24.34	7.60	5.45	23.83
1200.00	1.96	0.25	24.75	7.56	5.41	24.24
1250.00	1.95	0.24	25.91	7.15	4.99	25.01
1300.00	1.95	0.23	25.92	7.29	5.14	25.20
1350.00	1.94	0.22	25.63	7.59	5.44	25.24
1400.00	1.94	0.21	25.85	7.62	5.47	25.52
1450.00	1.93	0.21	26.33	7.52	5.37	25.92
1500.00	1.92	0.20	27.48	7.08	4.93	26.66
1550.00	1.92	0.19	27.98	6.97	4.82	27.06
1600.00	1.91	0.19	27.75	7.21	5.06	27.09
1650.00	1.91	0.18	27.65	7.38	5.23	27.18
1700.00	1.91	0.18	27.75	7.45	5.30	27.37
1750.00	1.90	0.17	28.27	7.31	5.16	27.77
1800.00	1.90	0.17	29.41	6.85	4.70	28.47
1850.00	1.90	0.16	29.82	6.76	4.61	28.80
1900.00	1.89	0.16	29.72	6.92	4.77	28.88



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Log. - Per. Broadband Antenna VUSLP 9111 E

Frequency	Distance	Wavelength	Attenuation	Gain (Isotr.)	Gain (Dipole)	Ant.-Factor
Frequenz	Abstand	Wellenlänge	Dämpfung	Isotrop-gewinn	Gewinn über Dipol	Ant.-Wandlungsmaß
MHz	m	m	dB	dBi	dBd	dB/m
1950.00	1.89	0.15	29.45	7.16	5.01	28.86
2000.00	1.89	0.15	29.50	7.24	5.09	29.00
2050.00	1.88	0.15	29.58	7.30	5.15	29.16
2100.00	1.88	0.14	30.04	7.17	5.02	29.50
2150.00	1.88	0.14	31.15	6.71	4.56	30.16
2200.00	1.88	0.14	32.14	6.31	4.16	30.76
2250.00	1.87	0.13	32.61	6.16	4.01	31.10
2300.00	1.87	0.13	33.11	6.00	3.85	31.45
2350.00	1.87	0.13	33.41	5.94	3.79	31.70
2400.00	1.87	0.13	34.29	5.59	3.44	32.24
2450.00	1.87	0.12	34.74	5.45	3.30	32.55
2500.00	1.86	0.12	34.99	5.41	3.26	32.77
2550.00	1.86	0.12	35.29	5.34	3.19	33.01
2600.00	1.86	0.12	36.27	4.93	2.78	33.59
2650.00	1.86	0.11	36.56	4.87	2.72	33.82
2700.00	1.86	0.11	35.90	5.27	3.12	33.58
2750.00	1.86	0.11	35.45	5.57	3.42	33.43
2800.00	1.85	0.11	35.39	5.68	3.53	33.48
2850.00	1.85	0.11	35.65	5.62	3.47	33.69
2900.00	1.85	0.10	35.90	5.57	3.42	33.90
2950.00	1.85	0.10	36.13	5.53	3.38	34.09
3000.00	1.85	0.10	36.67	5.32	3.17	34.44
3050.00	1.85	0.10	37.93	4.76	2.61	35.14
3100.00	1.85	0.10	39.02	4.29	2.13	35.76
3150.00	1.85	0.10	39.38	4.17	2.02	36.01
3200.00	1.84	0.09	39.01	4.42	2.27	35.90
3250.00	1.84	0.09	39.29	4.35	2.20	36.11
3300.00	1.84	0.09	39.57	4.27	2.12	36.32
3350.00	1.84	0.09	39.75	4.25	2.09	36.48
3400.00	1.84	0.09	39.78	4.29	2.14	36.56
3450.00	1.84	0.09	40.03	4.23	2.08	36.75
3500.00	1.84	0.09	40.76	3.93	1.78	37.17
3550.00	1.84	0.08	40.78	3.98	1.83	37.25
3600.00	1.84	0.08	40.73	4.06	1.91	37.29
3650.00	1.84	0.08	40.97	4.00	1.85	37.47
3700.00	1.83	0.08	41.30	3.89	1.73	37.70
3750.00	1.83	0.08	41.89	3.65	1.50	38.05
3800.00	1.83	0.08	41.97	3.66	1.51	38.15
3850.00	1.83	0.08	41.53	3.94	1.79	37.99
3900.00	1.83	0.08	40.91	4.31	2.15	37.74
3950.00	1.83	0.08	40.46	4.58	2.43	37.57
4000.00	1.83	0.08	41.02	4.35	2.20	37.91