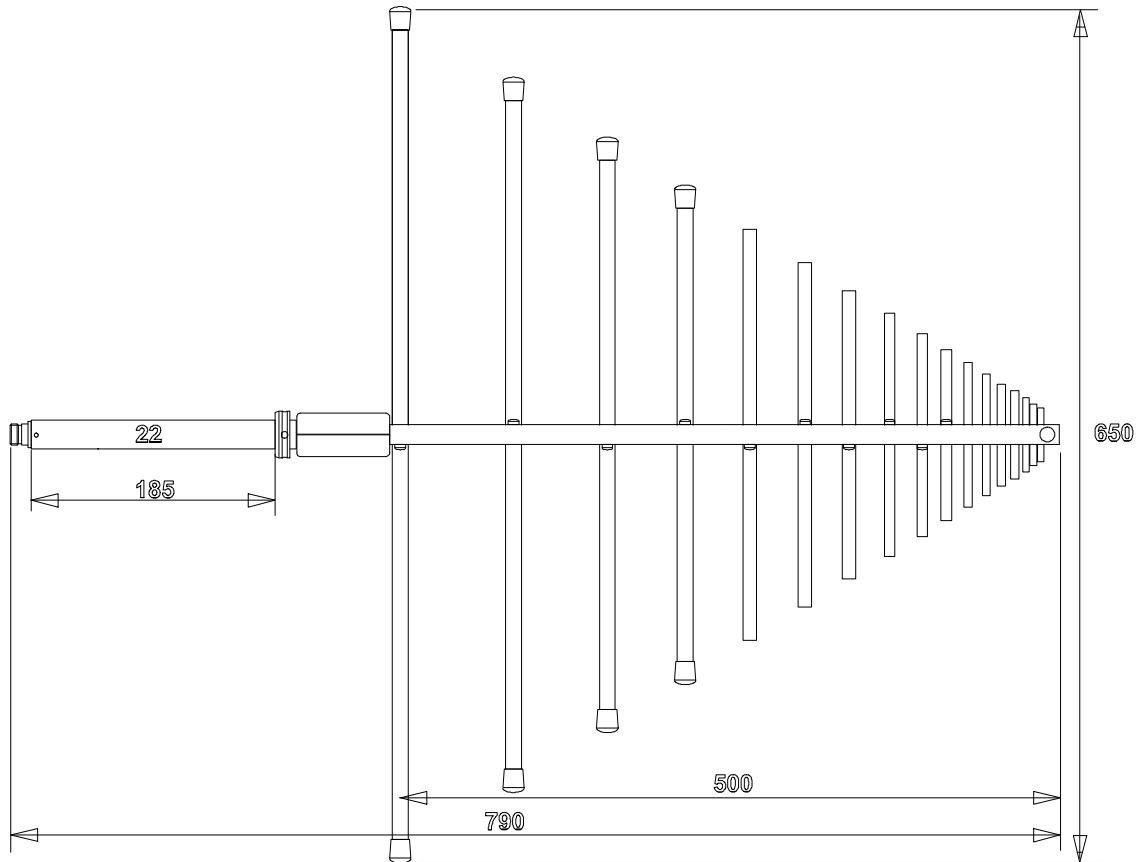


# SCHWARZBECK MESS - ELEKTRONIK

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

## Log. - Per. Breitband-Antenne VUSLP 9111 Log. - Per. Broadband Antenna VUSLP 9111



### Technische Daten:

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

Frequenzbereich, nominell: 230 MHz...2.3 GHz  
Nutzbarer Frequenzbereich: 200 MHz ... 4 GHz  
Isotropgewinn: 7 dBi + / - 1 dB  
Antennenfaktor: 12 ... 32 dB/m  
Impedanz, nominell: 50  $\Omega$   
Stehwellenverhältnis SWR max.: < 2.5  
Stehwellenverhältnis SWR typisch: <1.5  
Vor- Rückverhältnis: 20 dB  
Polarisationsentkopplung: >20 dB (230 MHz...1 GHz)  
3 dB Öffnungswinkel typ.(E-Ebene): 45°-65°  
3 dB Öffnungswinkel typ.(H-Ebene): 90°-120°  
Max. Eingangsleistung: 1000 W (230 MHz)  
300 W (1 GHz)

Anschlußart: N-Buchse  
Halterung: 22 mm Rohr, Rastring  
Breite x Länge x Dicke: 650 x 790 x 82 mm  
Gewicht: 1.6 kg  
Transportkoffer (optional) (B x L x H) 725 x 610 x 145

### VUSLP 9111

### Specifications:

Type:  
Linear polarized Logarithmic Periodic  
Broadband Antenna  
(Aluminium tubing)  
for Receive and Transmit Applications

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:

N-Connector female  
Mount: 22 mm Tube, Indexing Ring  
Width x Length x Thickness:  
Weight:  
Storing Case (optional): (W x L x H)

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## Log. - Per. Broadband Antenna VUSLP 9111

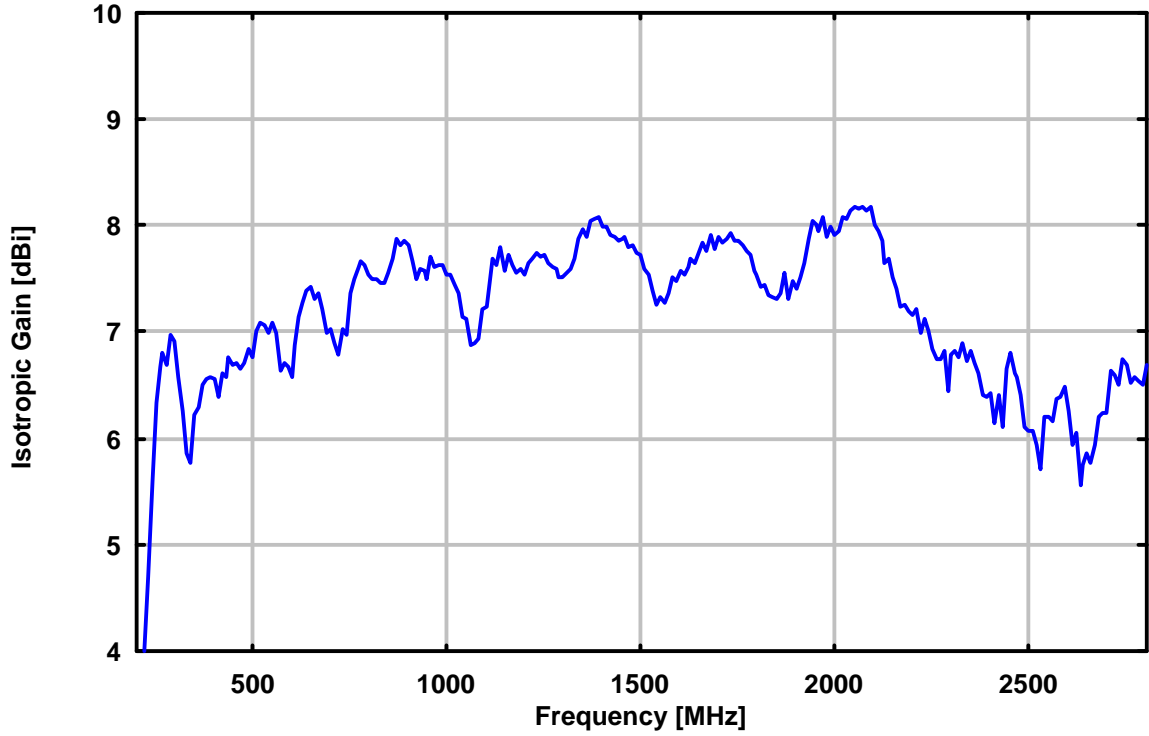
Frequency	Distance	$\lambda$	Attenuation	Isotr. Gain	Gain ( $\lambda/2$ Dipole)	Antenna Factor
Frequenz	Abstand	Wellenlänge	Dämpfung	Isotrop-gewinn	Gewinn (HW-Dipol)	Ant.-Wand-lungsmaß
MHz	m	m	dB	dBi	dBd	dB/m
200	3.50	1.50	26.25	1.55	-0.60	14.69
210	3.50	1.43	24.67	2.55	0.40	14.12
220	3.50	1.36	22.82	3.68	1.52	13.39
230	3.50	1.30	21.15	4.70	2.55	12.75
240	3.46	1.25	19.57	5.62	3.47	12.20
250	3.42	1.20	18.40	6.34	4.18	11.84
260	3.38	1.15	17.97	6.67	4.52	11.85
270	3.35	1.11	17.95	6.80	4.65	12.04
280	3.31	1.07	18.40	6.69	4.54	12.47
290	3.28	1.03	18.07	6.97	4.82	12.49
300	3.26	1	18.40	6.92	4.77	12.84
320	3.21	0.94	20.17	6.25	4.10	14.08
340	3.16	0.88	21.52	5.77	3.62	15.07
360	3.12	0.83	20.87	6.29	4.14	15.05
380	3.09	0.79	20.72	6.55	4.40	15.26
400	3.06	0.75	21.07	6.56	4.41	15.70
420	3.03	0.71	21.30	6.61	4.46	16.07
440	3	0.68	21.32	6.77	4.62	16.32
460	2.98	0.65	21.75	6.71	4.56	16.76
480	2.96	0.63	22.05	6.71	4.56	17.13
500	2.94	0.60	22.25	6.76	4.61	17.44
550	2.89	0.55	22.30	7.09	4.93	17.94
600	2.86	0.50	23.95	6.58	4.43	19.20
650	2.82	0.46	22.85	7.43	5.28	19.04
700	2.80	0.43	24.22	7.03	4.88	20.09
750	2.77	0.40	24.07	7.37	5.22	20.35
800	2.75	0.38	24.25	7.53	5.38	20.75
850	2.74	0.35	24.65	7.56	5.41	21.25
900	2.72	0.33	24.60	7.81	5.66	21.49
950	2.71	0.32	25.65	7.50	5.35	22.28
1000	2.69	0.30	26	7.53	5.38	22.69
1100	2.67	0.27	27.35	7.23	5.08	23.82
1200	2.65	0.25	27.42	7.54	5.39	24.26
1300	2.64	0.23	28.12	7.51	5.36	24.98
1400	2.63	0.21	27.77	7.99	5.84	25.15
1500	2.61	0.20	28.87	7.72	5.57	26.02
1600	2.60	0.19	29.67	7.58	5.43	26.72
1700	2.60	0.18	29.55	7.89	5.74	26.94
1800	2.59	0.17	30.72	7.54	5.39	27.78
1900	2.58	0.16	31.45	7.40	5.25	28.39
2000	2.57	0.15	30.85	7.91	5.76	28.33
2100	2.57	0.14	31.07	8.01	5.85	28.66
2200	2.56	0.14	33.15	7.16	5.01	29.91
2300	2.56	0.13	34.25	6.79	4.64	30.66
2400	2.55	0.13	35.35	6.42	4.27	31.40
2500	2.55	0.12	36.40	6.07	3.92	32.11
2600	2.55	0.12	36.35	6.26	4.10	32.26
2700	2.54	0.11	36.72	6.23	4.08	32.62
2800	2.54	0.11	36.10	6.69	4.54	32.47
MHz	m	m	dB	dBi	dBd	dB/m

# SCHWARZBECK MESS - ELEKTRONIK

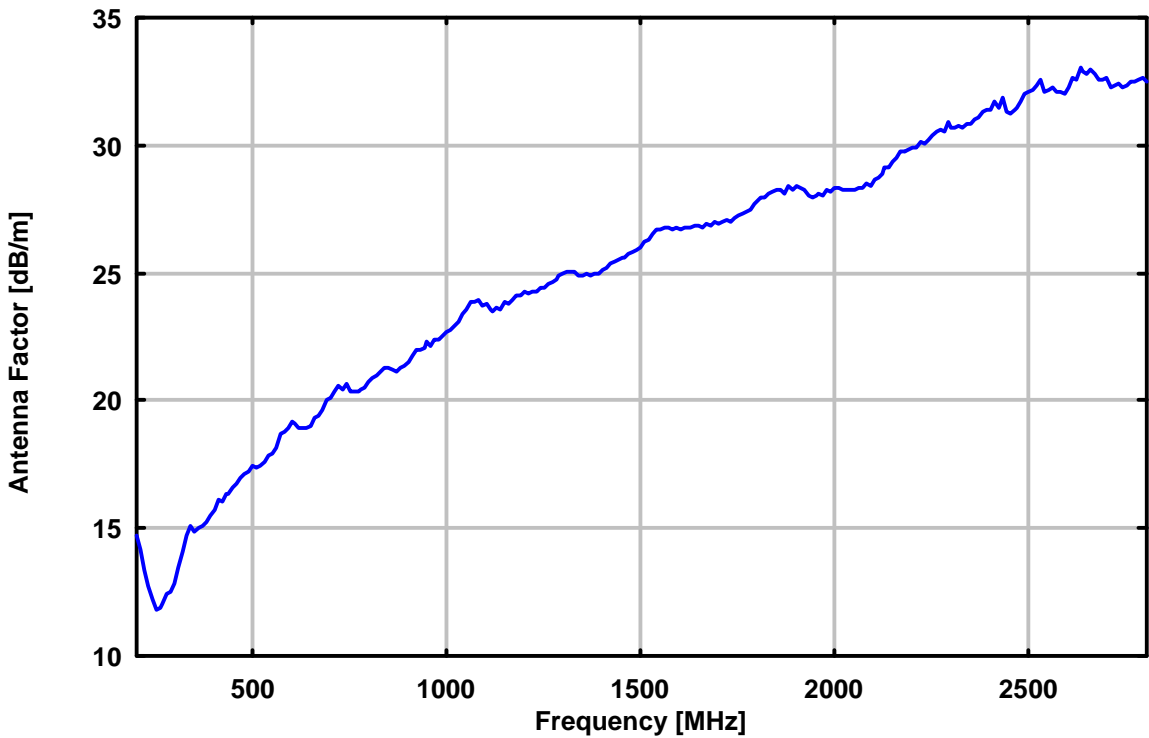
An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

**Log. - Per. Breitband-Antenne VUSLP 9111**  
**Log. - Per. Broadband Antenna VUSLP 9111**

Gewinn bezogen auf Isotropstrahler:  
VUSLP 9111



Antennenfaktor (k-Faktor):  
VUSLP 9111

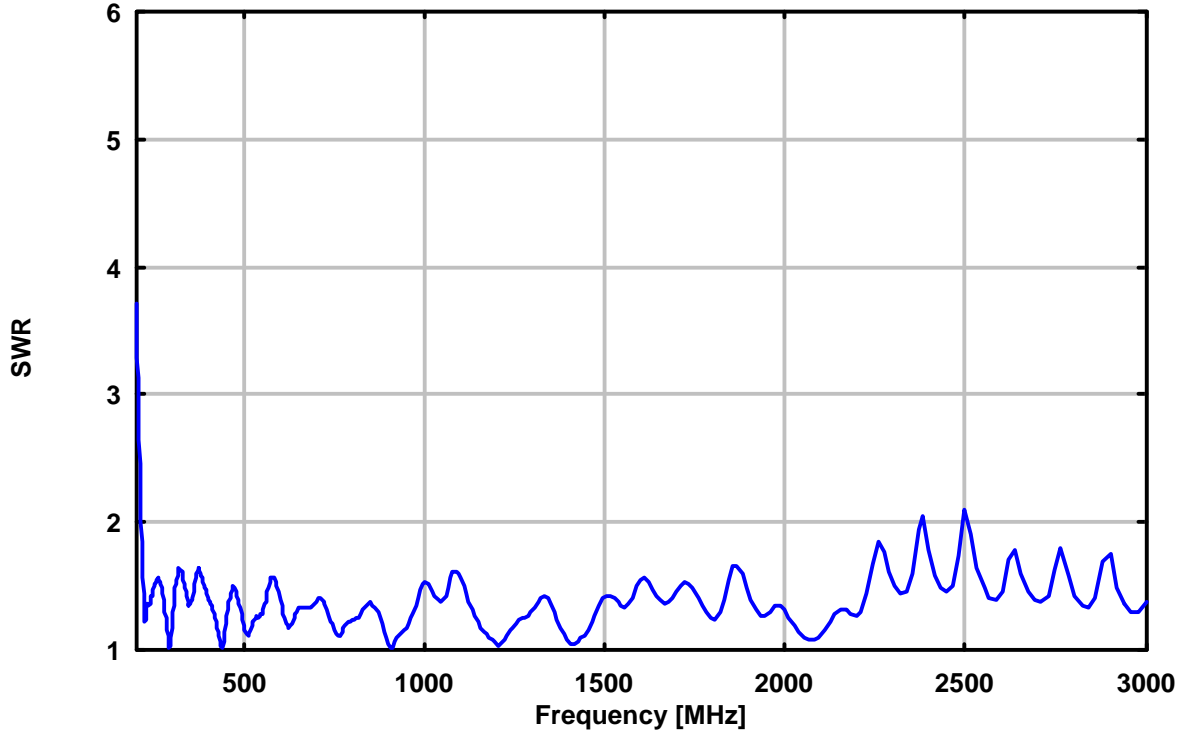


# SCHWARZBECK MESS - ELEKTRONIK

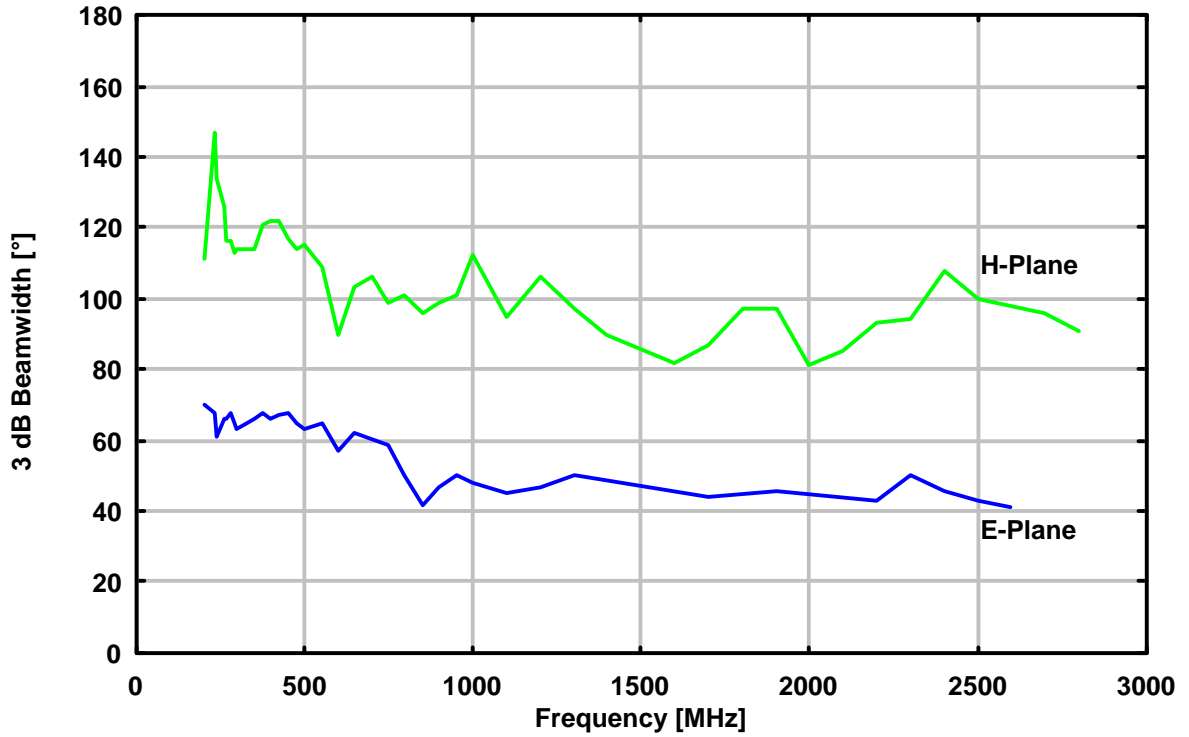
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**Log. - Per. Breitband-Antenne VUSLP 9111**  
**Log. - Per. Broadband Antenna VUSLP 9111**

**Stehwellenverhältnis (SWR):**  
**VUSLP 9111**



**3 dB Öffnungswinkel:**  
**VUSLP 9111**



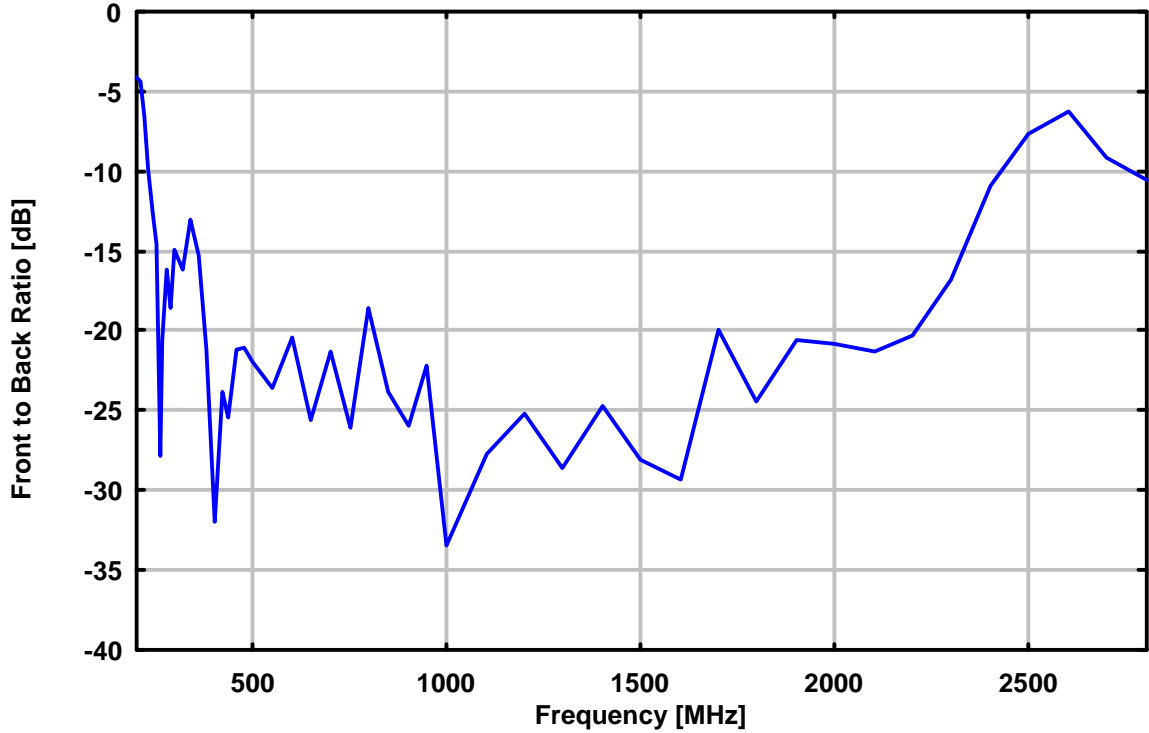
# SCHWARZBECK MESS - ELEKTRONIK

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

**Log. - Per. Breitband-Antenne VUSLP 9111**

**Log. - Per. Broadband Antenna VUSLP 9111**

Vor- Rückverhältnis:  
VUSLP 9111



Kreuzpolarisation, Polarisationsentkopplung:

VUSLP 9111

