

# SCHWARZBECK MESS - ELEKTRONIK

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

## USLP 9142

**UHF-SHF Log. - Per. Breitband Antenne**  
**UHF-SHF Log. - Per. Broadband Antenna**  
**0.7 - 5 (8) GHz, 100 W**

<i>Frequency</i>	<i>Distance</i>	<i>Wavelength</i>	<i>Attenuation</i>	<i>Gain(Isotr.)</i>	<i>Gain(Dipole)</i>	<i>Ant.-Factor</i>
Frequenz	Abstand	Wellenlänge	Dämpfung	Isotropgewinn	Gewinn über Dipol	Ant.-Wandlungsmaß
GHz	m	m	dB	dBi	dBd	dB/m
0.6	2.20	0.50	34.10	0.38	-1.77	25.41
0.65	2.20	0.46	31.32	2.11	-0.04	24.36
0.7	2.20	0.43	30.80	2.70	0.55	24.43
0.75	2.20	0.40	29.43	3.68	1.53	24.04
0.8	2.17	0.38	29.95	3.65	1.50	24.63
0.85	2.15	0.35	30.26	3.71	1.56	25.10
0.9	2.13	0.33	27.87	5.11	2.96	24.20
0.95	2.11	0.32	25.77	6.35	4.20	23.42
1.0	2.09	0.30	25.35	6.75	4.60	23.47
1.1	2.06	0.27	25.74	6.91	4.76	24.14
1.2	2.04	0.25	27.11	6.55	4.40	25.25
1.3	2.02	0.23	27.14	6.84	4.69	25.66
1.4	2.00	0.21	28.03	6.68	4.53	26.46
1.5	1.98	0.20	29.04	6.44	4.29	27.30
1.6	1.97	0.19	32.83	4.79	2.64	29.51
1.7	1.96	0.18	30.46	6.22	4.07	28.61
1.8	1.95	0.17	30.32	6.51	4.36	28.81
1.9	1.94	0.16	30.23	6.77	4.62	29.02
2.0	1.93	0.15	31.26	6.46	4.31	29.78
2.1	1.92	0.14	33.30	5.63	3.48	31.03
2.2	1.92	0.14	33.17	5.88	3.73	31.18
2.3	1.91	0.13	34.53	5.38	3.23	32.07
2.4	1.90	0.13	34.77	5.43	3.28	32.39
2.5	1.90	0.12	34.04	5.96	3.81	32.21
2.6	1.89	0.12	33.90	6.19	4.04	32.33
2.7	1.89	0.11	33.38	6.61	4.46	32.24
2.8	1.88	0.11	35.81	5.54	3.39	33.62
2.9	1.88	0.10	37.96	4.61	2.46	34.86
3.0	1.88	0.10	35.86	5.80	3.65	33.97
3.1	1.87	0.10	35.66	6.03	3.88	34.02
3.2	1.87	0.09	35.58	6.20	4.05	34.12
3.3	1.87	0.09	36.45	5.89	3.74	34.70
3.4	1.86	0.09	36.69	5.90	3.75	34.95
3.5	1.86	0.09	35.86	6.43	4.28	34.67
3.6	1.86	0.08	35.66	6.65	4.50	34.70
3.7	1.86	0.08	36.08	6.55	4.40	35.03
3.8	1.85	0.08	36.41	6.50	4.35	35.32
3.9	1.85	0.08	37.04	6.29	4.14	35.75
4.0	1.85	0.08	36.94	6.44	4.29	35.82
4.1	1.85	0.07	37.41	6.31	4.16	36.16
4.2	1.85	0.07	37.16	6.54	4.39	36.15
4.3	1.84	0.07	37.30	6.56	4.41	36.32
4.4	1.84	0.07	37.37	6.63	4.47	36.46
4.5	1.84	0.07	38.14	6.33	4.18	36.95

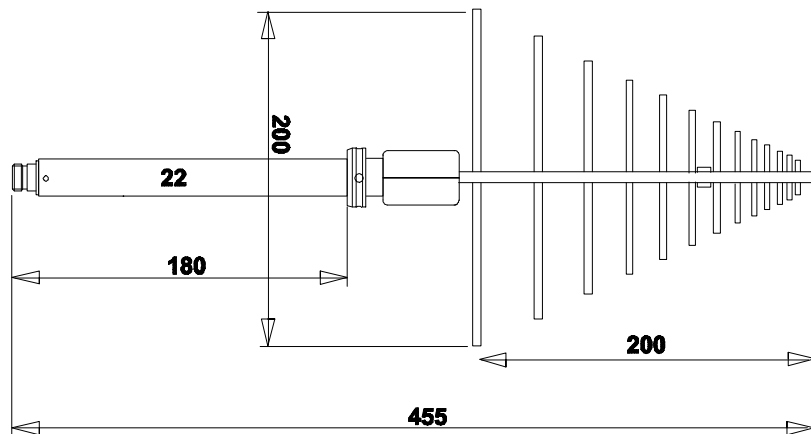
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Frequency	Distance	Wavelength	Attenuation	Gain(Isotr.)	Gain(Dipole)	Ant.-Factor
Frequenz	Abstand	Wellenlänge	Dämpfung	Isotropgewinn	Gewinn über Dipol	Ant.-Wandlungsmaß
GHz	m	m	dB	dBi	dBd	dB/m
4.6	1.84	0.07	37.84	6.58	4.43	36.90
4.7	1.84	0.06	38.46	6.36	4.21	37.31
4.8	1.84	0.06	38.16	6.59	4.44	37.25
4.9	1.84	0.06	39.05	6.24	4.08	37.79
5.0	1.83	0.06	39.52	6.09	3.93	38.11
5.1	1.83	0.06	40.99	5.43	3.28	38.94
5.2	1.83	0.06	41.08	5.47	3.32	39.07
5.3	1.83	0.06	40.79	5.69	3.54	39.01
5.4	1.83	0.06	40.98	5.68	3.53	39.19
5.5	1.83	0.05	40.69	5.90	3.75	39.13
5.6	1.83	0.05	40.68	5.98	3.83	39.20
5.7	1.83	0.05	39.81	6.49	4.34	38.85
5.8	1.83	0.05	40.58	6.18	4.03	39.31
5.9	1.82	0.05	40.32	6.38	4.23	39.26
6.0	1.82	0.05	40.50	6.36	4.21	39.42
6.1	1.82	0.05	40.75	6.31	4.16	39.62
6.2	1.82	0.05	41.40	6.05	3.90	40.02
6.3	1.82	0.05	41.46	6.09	3.94	40.12
6.4	1.82	0.05	41.78	5.99	3.84	40.35
6.5	1.82	0.05	41.74	6.08	3.93	40.40
6.6	1.82	0.05	40.93	6.55	4.40	40.06
6.7	1.82	0.04	42.24	5.96	3.81	40.78
6.8	1.82	0.04	42.11	6.08	3.93	40.79
6.9	1.82	0.04	43.94	5.23	3.08	41.77
7.0	1.82	0.04	43.55	5.49	3.34	41.63



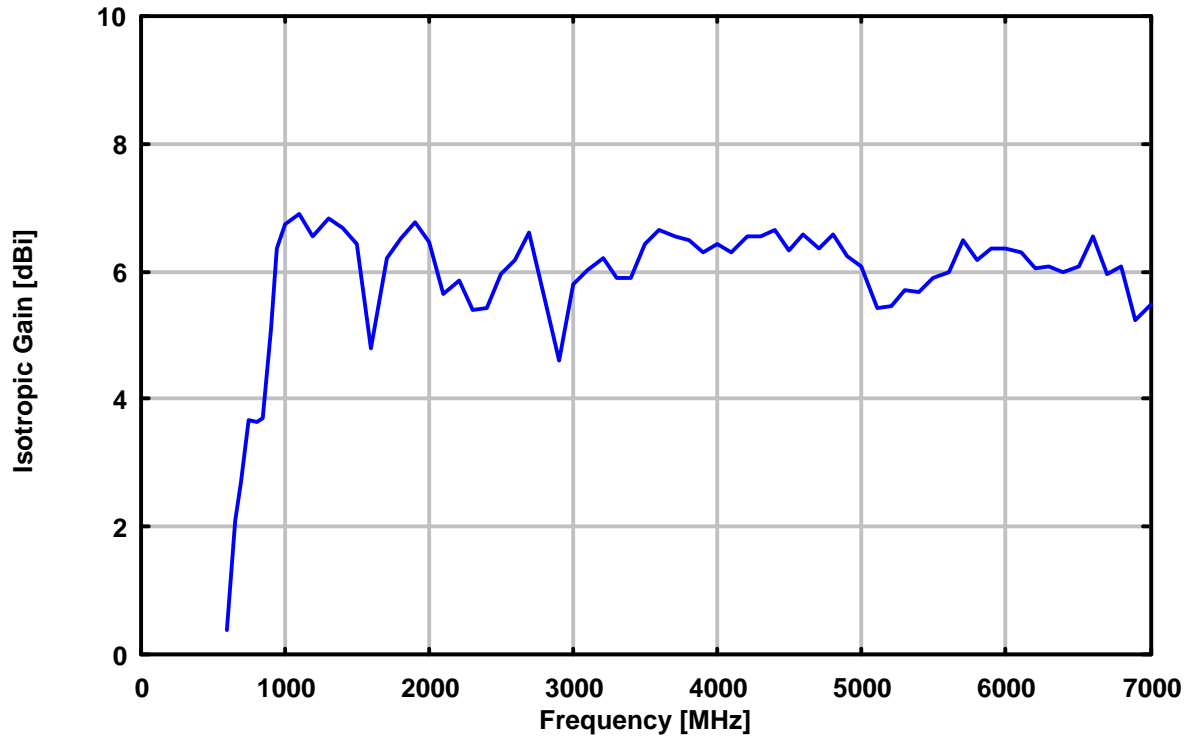
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0.7 - 5 (8) GHz, 100 W

USLP 9142 Isotropgewinn



USLP 9142 Antennen-Wandlungsmass

