

SCHWARZBECK MESS - ELEKTRONIK

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

VULP 9118 E-'High Power' Correction for Short Distance Tip-EuT

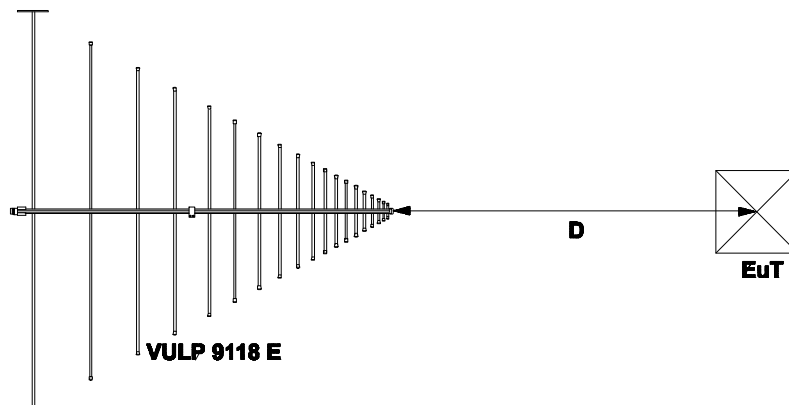
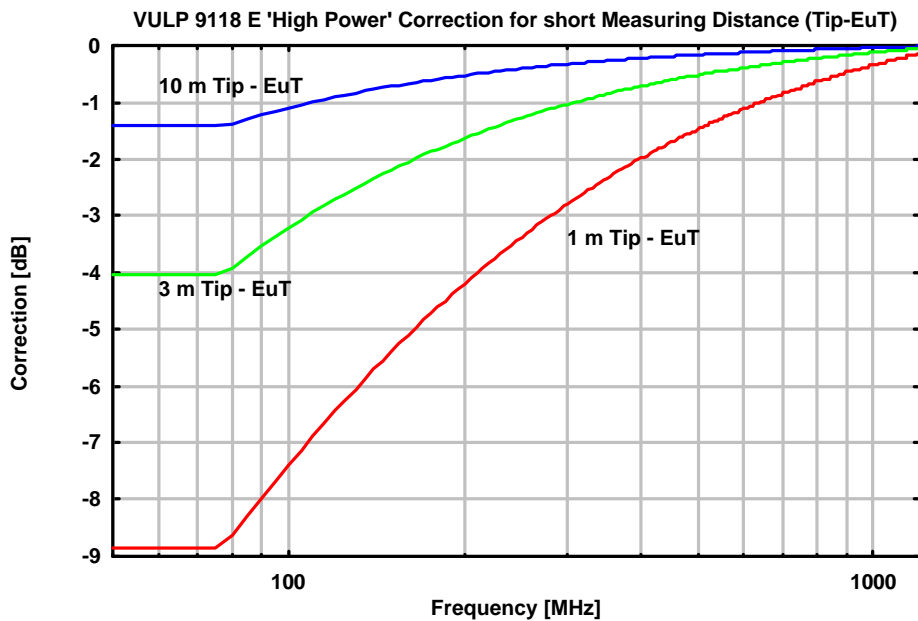
Frequency	Gain(Iso.)	Ant.-Fact k	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
Frequenz	Gewinn	Ant.Faktor	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m	dBi	dB/m
60.0	3.08	2.70	1.66	4.12	-0.95	6.74	-5.78	11.56
65.0	2.66	3.82	1.24	5.24	-1.38	7.86	-6.21	12.68
70.0	3.28	3.85	1.86	5.26	-0.76	7.88	-5.59	12.71
75.0	4.59	3.13	3.17	4.55	0.55	7.17	-4.28	12.00
80.0	5.22	3.07	3.85	4.43	1.31	6.97	-3.43	11.71
85.0	5.71	3.10	4.42	4.38	2.00	6.81	-2.59	11.39
90.0	5.85	3.45	4.63	4.67	2.32	6.99	-2.13	11.43
95.0	5.90	3.87	4.75	5.03	2.53	7.24	-1.78	11.55
100.0	5.70	4.52	4.61	5.61	2.49	7.73	-1.70	11.92
110.0	5.51	5.53	4.52	6.52	2.57	8.48	-1.37	12.42
120.0	5.40	6.40	4.49	7.31	2.69	9.12	-1.04	12.85
130.0	6.30	6.19	5.47	7.03	3.78	8.71	0.24	12.26
140.0	6.77	6.37	6.00	7.14	4.42	8.72	1.06	12.08
150.0	7.19	6.56	6.47	7.27	5.00	8.74	1.80	11.95
160.0	7.08	7.22	6.41	7.89	5.03	9.27	1.98	12.32
170.0	7.39	7.44	6.76	8.07	5.46	9.37	2.55	12.28
180.0	7.06	8.26	6.47	8.85	5.24	10.09	2.45	12.87
190.0	7.22	8.57	6.67	9.12	5.51	10.29	2.85	12.95
200.0	7.03	9.21	6.50	9.74	5.39	10.85	2.84	13.40
220.0	6.78	10.29	6.31	10.76	5.31	11.76	2.95	14.12
240.0	6.67	11.15	6.25	11.58	5.33	12.49	3.15	14.67
260.0	6.35	12.17	5.97	12.55	5.13	13.39	3.12	15.40
280.0	6.70	12.47	6.35	12.82	5.58	13.58	3.71	15.45
300.0	7.01	12.75	6.69	13.07	5.98	13.78	4.22	15.55
325.0	7.00	13.46	6.71	13.75	6.06	14.39	4.45	16.00
350.0	6.84	14.26	6.57	14.53	5.98	15.12	4.49	16.61
375.0	6.90	14.80	6.66	15.04	6.13	15.57	4.76	16.94
400.0	6.84	15.42	6.62	15.64	6.13	16.13	4.87	17.39
425.0	6.55	16.24	6.35	16.44	5.90	16.89	4.72	18.07
450.0	6.75	16.53	6.57	16.72	6.15	17.13	5.06	18.22
475.0	6.76	16.99	6.59	17.16	6.20	17.55	5.18	18.57
500.0	6.85	17.35	6.69	17.51	6.33	17.87	5.37	18.83
550.0	6.89	18.14	6.75	18.27	6.44	18.59	5.60	19.42
600.0	6.63	19.15	6.51	19.27	6.25	19.54	5.53	20.25
650.0	6.84	19.64	6.74	19.74	6.50	19.98	5.86	20.62
700.0	6.89	20.23	6.80	20.32	6.60	20.52	6.06	21.06
750.0	6.78	20.94	6.71	21.01	6.53	21.19	6.04	21.68
800.0	6.77	21.51	6.71	21.58	6.56	21.72	6.14	22.14
850.0	6.99	21.82	6.93	21.88	6.80	22.01	6.44	22.37
900.0	6.28	23.03	6.23	23.07	6.12	23.18	5.81	23.49
950.0	6.76	23.01	6.72	23.06	6.62	23.16	6.34	23.44
1000.0	6.99	23.23	6.95	23.27	6.87	23.35	6.65	23.57
Bezugs- punkt:	Strahlungs- zone	Strahlungs- zone	Spitze der Log. - Per. Struktur					
Reference Point:	Radiating Zone	Radiating Zone	Tip of Log. - Per. Structure					

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Frequency	Gain(Iso.)	Ant.-Fact k	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
Frequenz	Gewinn	Ant.Faktor	gi (10 m)	k (10m)	gi (3m)	k (3m)	gi (1m)	k (1m)
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m	dBi	dB/m
1100.0	6.22	24.83	6.20	24.85	6.15	24.90	6.01	25.04
1200.0	6.15	25.65	6.14	25.66	6.11	25.69	6.02	25.78
1300.0	6.18	26.32	6.17	26.33	6.16	26.34	6.13	26.37
1400.0	5.95	27.19	5.95	27.19	5.95	27.19	5.95	27.19
1500.0	5.82	27.92	5.83	27.91	5.85	27.89	5.91	27.83
1600.0	4.68	29.62	4.70	29.61	4.73	29.58	4.81	29.49
1700.0	4.65	30.18	4.66	30.16	4.70	30.12	4.82	30.01
1800.0	4.57	30.75	4.59	30.73	4.64	30.68	4.79	30.53
Bezugs- punkt:	Strahlungs- zone	Strahlungs- zone	Spitze der Log. - Per. Struktur					
Reference Point:	Radiating Zone	Radiating Zone	Tip of Log. - Per. Structure					



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

VULP 9118 E-'High Power' Correction for Short Distance Center-EuT

Frequency	Gain(Iso.)	Ant.-Fact k	gi (10 m)	k (10m)	gi (3m)	k (3m)
Frequenz	Gewinn	Ant.Faktor	gi (10 m)	k (10m)	gi (3m)	k (3m)
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m
60.0	3.08	2.70	2.36	3.42	0.88	4.90
65.0	2.66	3.82	1.94	4.54	0.46	6.02
70.0	3.28	3.85	2.56	4.57	1.08	6.05
75.0	4.59	3.13	3.87	3.85	2.39	5.33
80.0	5.22	3.07	4.55	3.73	3.17	5.11
85.0	5.71	3.10	5.13	3.67	3.92	4.89
90.0	5.85	3.45	5.35	3.96	4.28	5.03
95.0	5.90	3.87	5.47	4.31	4.54	5.24
100.0	5.70	4.52	5.33	4.89	4.53	5.69
110.0	5.51	5.53	5.26	5.79	4.69	6.36
120.0	5.40	6.40	5.24	6.57	4.87	6.94
130.0	6.30	6.19	6.22	6.28	6.02	6.48
140.0	6.77	6.37	6.75	6.39	6.71	6.43
150.0	7.19	6.56	7.23	6.51	7.33	6.41
160.0	7.08	7.22	7.18	7.12	7.41	6.89
170.0	7.39	7.44	7.53	7.30	7.88	6.95
180.0	7.06	8.26	7.25	8.08	7.69	7.63
190.0	7.22	8.57	7.45	8.35	7.99	7.80
200.0	7.03	9.21	7.28	8.96	7.91	8.33
220.0	6.78	10.29	7.09	9.97	7.87	9.19
240.0	6.67	11.15	7.04	10.79	7.95	9.88
260.0	6.35	12.17	6.76	11.76	7.79	10.73
280.0	6.70	12.47	7.14	12.02	8.28	10.88
300.0	7.01	12.75	7.49	12.27	8.70	11.06
325.0	7.00	13.46	7.51	12.95	8.83	11.63
350.0	6.84	14.26	7.38	13.73	8.78	12.32
375.0	6.90	14.80	7.47	14.23	8.95	12.75
400.0	6.84	15.42	7.43	14.83	8.98	13.28
425.0	6.55	16.24	7.16	15.63	8.77	14.02
450.0	6.75	16.53	7.38	15.91	9.04	14.24
475.0	6.76	16.99	7.40	16.35	9.11	14.64
500.0	6.85	17.35	7.50	16.70	9.25	14.95
550.0	6.89	18.14	7.57	17.46	9.39	15.64
600.0	6.63	19.15	7.33	18.45	9.23	16.56
650.0	6.84	19.64	7.56	18.92	9.50	16.98
700.0	6.89	20.23	7.62	19.50	9.62	17.50
750.0	6.78	20.94	7.53	20.19	9.56	18.16
800.0	6.77	21.51	7.53	20.75	9.60	18.68
850.0	6.99	21.82	7.75	21.05	9.86	18.95
900.0	6.28	23.03	7.05	22.25	9.19	20.11
950.0	6.76	23.01	7.54	22.23	9.70	20.08
1000.0	6.99	23.23	7.78	22.44	9.96	20.26
Bezugs- punkt:	Strahlungs- zone	Strahlungs- zone	Mitte der Log. - Per. Struktur			
Reference Point:	Radiating Zone	Radiating Zone	Center of Log. - Per. Structure			

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Frequenz	Gewinn	Ant.Faktor	gi (10 m)	k (10m)	gi (3m)	k (3m)
MHz	dBi	dB/m	dBi	dB/m	dBi	dB/m
1100.0	6.22	24.83	7.02	24.02	9.26	21.79
1200.0	6.15	25.65	6.97	24.84	9.23	22.57
1300.0	6.18	26.32	7.00	25.50	9.30	23.20
1400.0	5.95	27.19	6.78	26.36	9.09	24.05
1500.0	5.82	27.92	6.66	27.08	9.00	24.74
1600.0	4.68	29.62	5.53	28.78	7.89	26.42
1700.0	4.65	30.18	5.49	29.33	7.87	26.96
1800.0	4.57	30.75	5.42	29.90	7.82	27.51
Bezugs- punkt:	Strahlungs- zone	Strahlungs- zone	Mitte der Log. - Per. Struktur			
Reference Point:	Radiating Zone	Radiating Zone	Center of Log. - Per. Structure			

