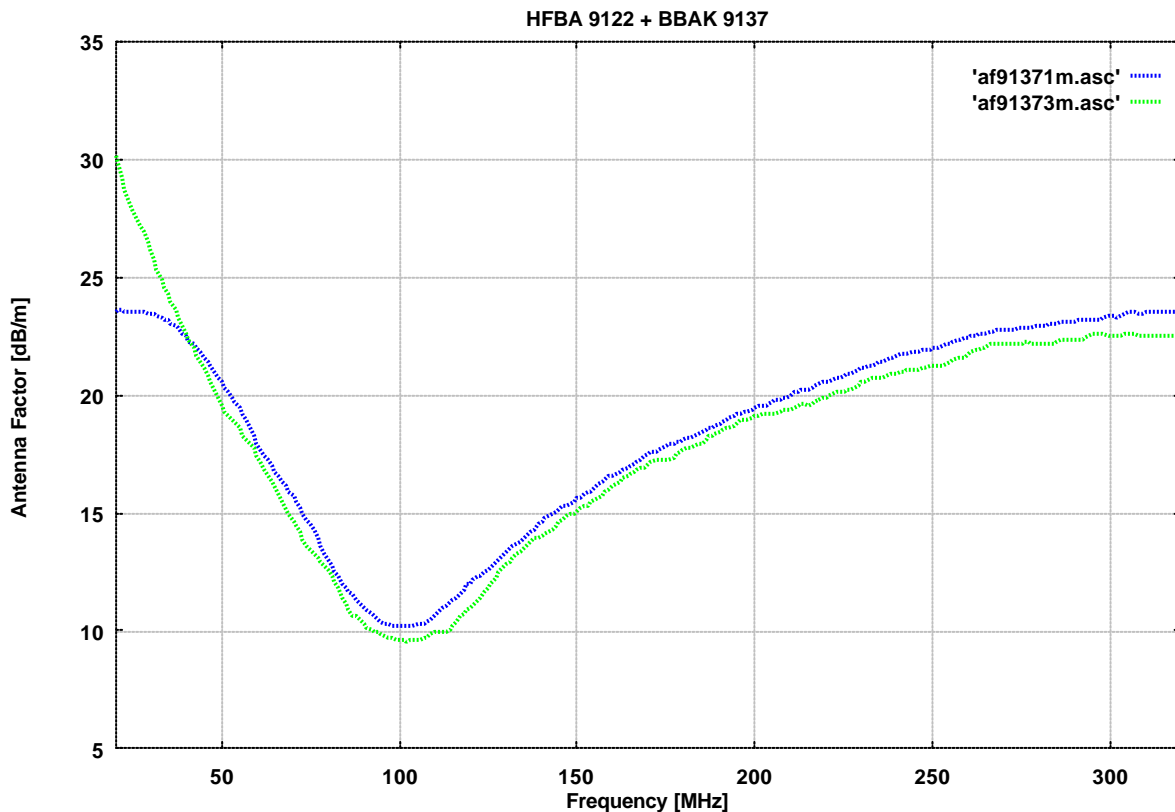
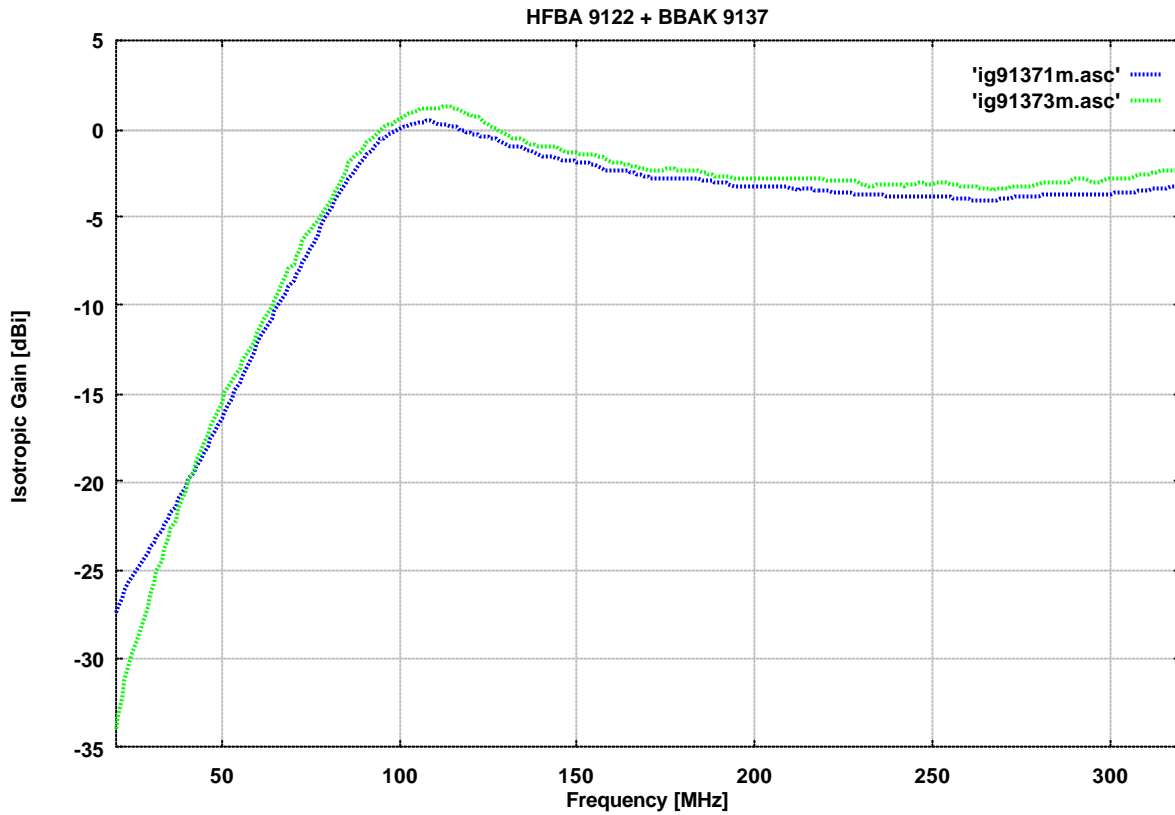


SCHWARZBECK MESS - ELEKTRONIK

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

Kalibrierdaten HFBA 9122 mit BBAK 9137 Bikonuselementen Calibration Data HFBA 9122 with BBAK 9137 Biconical Elements



HFBA 9122 + BBAK 9137 Element-Gesamtlänge: / Total Element Length: 0.92 m



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SCHWARZBECK MESS - ELEKTRONIK

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

Kalibrierdaten HFBA 9122 mit BBAK 9137 Bikonuselementen Calibration Data HFBA 9122 with BBAK 9137 Biconical Elements

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dBm	dB/m	dBm	dB/m
20.00	-27.34	23.59	-33.93	30.17
21.00	-27.01	23.67	-33.22	29.89
22.00	-26.56	23.63	-32.19	29.26
23.00	-26.12	23.58	-31.26	28.71
24.00	-25.73	23.55	-30.46	28.29
25.00	-25.37	23.55	-29.70	27.88
26.00	-25.04	23.56	-29.07	27.59
27.00	-24.69	23.54	-28.43	27.27
28.00	-24.34	23.50	-27.77	26.94
29.00	-24.00	23.46	-27.07	26.54
30.00	-23.67	23.44	-26.37	26.13
31.00	-23.37	23.42	-25.70	25.75
32.00	-23.06	23.38	-25.02	25.34
33.00	-22.72	23.31	-24.36	24.95
34.00	-22.38	23.23	-23.76	24.61
35.00	-22.06	23.16	-23.23	24.33
36.00	-21.72	23.07	-22.67	24.01
37.00	-21.37	22.96	-22.08	23.67
38.00	-20.99	22.81	-21.51	23.32
39.00	-20.60	22.64	-20.95	22.99
40.00	-20.20	22.47	-20.41	22.67
41.00	-19.83	22.31	-19.85	22.33
42.00	-19.48	22.17	-19.32	22.00
43.00	-19.13	22.02	-18.78	21.67
44.00	-18.76	21.85	-18.30	21.39
45.00	-18.36	21.64	-17.83	21.12
46.00	-17.94	21.42	-17.35	20.83
47.00	-17.54	21.20	-16.87	20.53
48.00	-17.15	20.99	-16.41	20.26
49.00	-16.74	20.77	-15.94	19.96
50.00	-16.34	20.54	-15.41	19.61
51.00	-15.95	20.32	-14.93	19.30
52.00	-15.59	20.13	-14.55	19.09
53.00	-15.24	19.95	-14.27	18.97
54.00	-14.83	19.70	-13.96	18.83
55.00	-14.41	19.44	-13.54	18.57
56.00	-13.97	19.16	-13.10	18.29
57.00	-13.54	18.88	-12.75	18.09
58.00	-13.08	18.57	-12.43	17.92
59.00	-12.64	18.28	-12.10	17.74
60.00	-12.21	17.99	-11.66	17.45
61.00	-11.79	17.72	-11.21	17.14
62.00	-11.38	17.45	-10.77	16.84
63.00	-11.01	17.22	-10.37	16.58
64.00	-10.66	17.00	-10.01	16.36
65.00	-10.30	16.78	-9.65	16.13
66.00	-9.95	16.56	-9.21	15.82
67.00	-9.59	16.33	-8.72	15.46
68.00	-9.26	16.13	-8.26	15.13
69.00	-8.92	15.92	-7.91	14.91

HFBA 9122 + BBAK 9137 Element-Gesamtlänge: / Total Element Length: 0.92 m



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SCHWARZBECK MESS - ELEKTRONIK

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

Kalibrierdaten HFBA 9122 mit BBAK 9137 Bikonuselementen Calibration Data HFBA 9122 with BBAK 9137 Biconical Elements

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dBm	dB/m	dBm	dB/m
70.00	-8.60	15.72	-7.57	14.69
71.00	-8.23	15.47	-7.20	14.45
72.00	-7.85	15.22	-6.77	14.14
73.00	-7.47	14.96	-6.37	13.85
74.00	-7.13	14.74	-5.98	13.58
75.00	-6.79	14.51	-5.68	13.40
76.00	-6.41	14.25	-5.42	13.26
77.00	-5.98	13.92	-5.17	13.12
78.00	-5.52	13.59	-4.90	12.96
79.00	-5.11	13.28	-4.59	12.77
80.00	-4.72	13.01	-4.28	12.56
81.00	-4.37	12.76	-3.94	12.33
82.00	-4.01	12.51	-3.58	12.08
83.00	-3.65	12.25	-3.17	11.77
84.00	-3.32	12.03	-2.74	11.44
85.00	-3.03	11.84	-2.32	11.13
86.00	-2.78	11.69	-1.94	10.85
87.00	-2.51	11.52	-1.67	10.68
88.00	-2.21	11.32	-1.46	10.57
89.00	-1.92	11.13	-1.27	10.48
90.00	-1.69	10.99	-0.99	10.29
91.00	-1.46	10.86	-0.73	10.13
92.00	-1.23	10.73	-0.53	10.02
93.00	-0.98	10.57	-0.41	10.00
94.00	-0.79	10.47	-0.23	9.92
95.00	-0.61	10.39	-0.06	9.83
96.00	-0.47	10.33	0.10	9.76
97.00	-0.30	10.26	0.22	9.74
98.00	-0.17	10.21	0.34	9.71
99.00	-0.05	10.18	0.49	9.64
100.00	0.03	10.19	0.64	9.58
101.00	0.11	10.19	0.77	9.54
102.00	0.19	10.20	0.86	9.53
103.00	0.29	10.19	0.93	9.54
104.00	0.37	10.20	1.00	9.56
105.00	0.42	10.23	1.04	9.60
106.00	0.44	10.28	1.10	9.63
107.00	0.47	10.33	1.14	9.67
108.00	0.50	10.39	1.15	9.74
109.00	0.49	10.48	1.13	9.84
110.00	0.43	10.62	1.15	9.90
111.00	0.35	10.77	1.22	9.90
112.00	0.31	10.90	1.30	9.91
113.00	0.26	11.03	1.33	9.95
114.00	0.20	11.16	1.31	10.05
115.00	0.16	11.28	1.23	10.20
116.00	0.10	11.41	1.13	10.38
117.00	0.01	11.57	1.02	10.57
118.00	-0.10	11.76	0.93	10.73
119.00	-0.18	11.91	0.88	10.85
120.00	-0.23	12.03	0.84	10.97
121.00	-0.28	12.16	0.79	11.09

HFBA 9122 + BBAK 9137 Element-Gesamtlänge: / Total Element Length: 0.92 m



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

Kalibrierdaten HFBA 9122 mit BBAK 9137 Bikonuselementen *Calibration Data HFBA 9122 with BBAK 9137 Biconical Elements*

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dB	dB/m	dB	dB/m
122.00	-0.33	12.28	0.70	11.24
123.00	-0.36	12.38	0.58	11.44
124.00	-0.39	12.48	0.44	11.64
125.00	-0.42	12.58	0.31	11.84
126.00	-0.49	12.71	0.19	12.03
127.00	-0.56	12.86	0.05	12.24
128.00	-0.65	13.01	-0.10	12.46
129.00	-0.75	13.18	-0.23	12.66
130.00	-0.84	13.34	-0.31	12.81
131.00	-0.91	13.48	-0.38	12.95
132.00	-0.96	13.60	-0.46	13.09
133.00	-1.01	13.70	-0.53	13.23
134.00	-1.05	13.81	-0.61	13.38
135.00	-1.09	13.92	-0.69	13.51
136.00	-1.15	14.04	-0.77	13.66
137.00	-1.22	14.18	-0.83	13.79
138.00	-1.32	14.33	-0.88	13.90
139.00	-1.42	14.50	-0.91	13.99
140.00	-1.51	14.66	-0.92	14.06
141.00	-1.57	14.77	-0.91	14.12
142.00	-1.59	14.86	-0.92	14.19
143.00	-1.60	14.93	-0.95	14.28
144.00	-1.64	15.02	-1.04	14.43
145.00	-1.68	15.13	-1.14	14.59
146.00	-1.73	15.23	-1.23	14.73
147.00	-1.76	15.32	-1.27	14.84
148.00	-1.76	15.38	-1.27	14.90
149.00	-1.78	15.47	-1.29	14.97
150.00	-1.83	15.57	-1.31	15.05
151.00	-1.87	15.67	-1.36	15.16
152.00	-1.91	15.77	-1.41	15.27
153.00	-1.95	15.86	-1.44	15.35
154.00	-2.00	15.97	-1.47	15.44
155.00	-2.05	16.07	-1.49	15.51
156.00	-2.12	16.21	-1.54	15.62
157.00	-2.19	16.33	-1.60	15.74
158.00	-2.25	16.44	-1.69	15.89
159.00	-2.26	16.51	-1.75	16.00
160.00	-2.28	16.58	-1.83	16.14
161.00	-2.29	16.65	-1.89	16.25
162.00	-2.31	16.72	-1.96	16.37
163.00	-2.35	16.81	-2.01	16.48
164.00	-2.39	16.91	-2.06	16.58
165.00	-2.44	17.01	-2.09	16.66
166.00	-2.48	17.10	-2.12	16.74
167.00	-2.52	17.19	-2.14	16.82
168.00	-2.57	17.29	-2.16	16.89
169.00	-2.61	17.39	-2.20	16.98
170.00	-2.66	17.49	-2.25	17.08
171.00	-2.69	17.57	-2.28	17.16
172.00	-2.73	17.66	-2.29	17.22
173.00	-2.74	17.72	-2.30	17.28

HFBA 9122 + BBAK 9137 Element-Gesamtlänge: / *Total Element Length:* 0.92 m



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SCHWARZBECK MESS - ELEKTRONIK

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

Kalibrierdaten HFBA 9122 mit BBAK 9137 Bikonuselementen Calibration Data HFBA 9122 with BBAK 9137 Biconical Elements

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dBm	dB/m	dBm	dB/m
174.00	-2.74	17.77	-2.29	17.32
175.00	-2.73	17.81	-2.23	17.31
176.00	-2.74	17.87	-2.18	17.31
177.00	-2.76	17.94	-2.19	17.37
178.00	-2.77	18.00	-2.27	17.49
179.00	-2.78	18.05	-2.35	17.62
180.00	-2.77	18.09	-2.38	17.70
181.00	-2.77	18.14	-2.36	17.73
182.00	-2.78	18.20	-2.35	17.77
183.00	-2.82	18.29	-2.37	17.84
184.00	-2.86	18.38	-2.41	17.92
185.00	-2.89	18.45	-2.43	17.99
186.00	-2.90	18.51	-2.48	18.09
187.00	-2.89	18.55	-2.55	18.21
188.00	-2.92	18.62	-2.59	18.30
189.00	-2.98	18.73	-2.62	18.37
190.00	-3.02	18.81	-2.65	18.44
191.00	-3.03	18.87	-2.67	18.51
192.00	-3.05	18.94	-2.66	18.55
193.00	-3.10	19.03	-2.66	18.59
194.00	-3.14	19.11	-2.71	18.69
195.00	-3.18	19.20	-2.77	18.79
196.00	-3.20	19.26	-2.82	18.89
197.00	-3.20	19.30	-2.84	18.95
198.00	-3.20	19.35	-2.84	19.00
199.00	-3.20	19.40	-2.84	19.04
200.00	-3.22	19.46	-2.86	19.10
201.00	-3.23	19.51	-2.87	19.15
202.00	-3.22	19.55	-2.85	19.18
203.00	-3.22	19.59	-2.82	19.19
204.00	-3.23	19.64	-2.80	19.21
205.00	-3.26	19.72	-2.79	19.25
206.00	-3.28	19.78	-2.80	19.29
207.00	-3.28	19.82	-2.81	19.35
208.00	-3.28	19.86	-2.81	19.39
209.00	-3.31	19.93	-2.78	19.40
210.00	-3.37	20.03	-2.74	19.41
211.00	-3.41	20.12	-2.77	19.47
212.00	-3.42	20.17	-2.82	19.57
213.00	-3.40	20.18	-2.83	19.62
214.00	-3.37	20.20	-2.79	19.62
215.00	-3.37	20.24	-2.74	19.61
216.00	-3.40	20.31	-2.74	19.65
217.00	-3.45	20.40	-2.76	19.70
218.00	-3.47	20.46	-2.78	19.77
219.00	-3.48	20.51	-2.84	19.86
220.00	-3.47	20.54	-2.89	19.96
221.00	-3.49	20.59	-2.91	20.02
222.00	-3.52	20.66	-2.91	20.06
223.00	-3.54	20.72	-2.92	20.10
224.00	-3.54	20.76	-2.93	20.15
225.00	-3.55	20.81	-2.91	20.17

HFBA 9122 + BBAK 9137 Element-Gesamtlänge: / Total Element Length: 0.92 m



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

Kalibrierdaten HFBA 9122 mit BBAK 9137 Bikonuselementen Calibration Data HFBA 9122 with BBAK 9137 Biconical Elements

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dBm	dB/m	dBm	dB/m
226.00	-3.56	20.86	-2.89	20.19
227.00	-3.59	20.93	-2.90	20.24
228.00	-3.62	20.99	-2.95	20.33
229.00	-3.65	21.06	-3.01	20.43
230.00	-3.67	21.12	-3.07	20.52
231.00	-3.67	21.17	-3.11	20.60
232.00	-3.68	21.21	-3.15	20.68
233.00	-3.71	21.28	-3.16	20.73
234.00	-3.75	21.35	-3.13	20.73
235.00	-3.77	21.41	-3.07	20.71
236.00	-3.76	21.44	-3.06	20.74
237.00	-3.78	21.49	-3.10	20.82
238.00	-3.81	21.56	-3.12	20.87
239.00	-3.84	21.63	-3.12	20.91
240.00	-3.86	21.68	-3.11	20.94
241.00	-3.87	21.73	-3.13	20.99
242.00	-3.87	21.77	-3.14	21.03
243.00	-3.86	21.79	-3.13	21.07
244.00	-3.85	21.81	-3.11	21.07
245.00	-3.83	21.84	-3.07	21.07
246.00	-3.81	21.84	-3.04	21.07
247.00	-3.79	21.86	-3.04	21.12
248.00	-3.79	21.90	-3.07	21.18
249.00	-3.81	21.95	-3.09	21.23
250.00	-3.81	21.99	-3.08	21.26
251.00	-3.82	22.03	-3.03	21.25
252.00	-3.81	22.06	-3.00	21.25
253.00	-3.81	22.10	-3.00	21.28
254.00	-3.82	22.14	-3.04	21.36
255.00	-3.86	22.21	-3.08	21.43
256.00	-3.90	22.28	-3.11	21.50
257.00	-3.92	22.34	-3.12	21.54
258.00	-3.94	22.40	-3.14	21.59
259.00	-3.94	22.43	-3.16	21.64
260.00	-3.94	22.46	-3.20	21.72
261.00	-3.96	22.51	-3.25	21.81
262.00	-4.00	22.59	-3.31	21.90
263.00	-4.00	22.62	-3.34	21.96
264.00	-3.98	22.63	-3.35	22.00
265.00	-3.96	22.65	-3.37	22.06
266.00	-3.98	22.70	-3.40	22.12
267.00	-3.98	22.73	-3.42	22.17
268.00	-3.96	22.75	-3.40	22.18
269.00	-3.93	22.75	-3.38	22.20
270.00	-3.92	22.76	-3.36	22.21
271.00	-3.89	22.77	-3.34	22.22
272.00	-3.88	22.79	-3.31	22.22
273.00	-3.86	22.80	-3.28	22.22
274.00	-3.85	22.82	-3.26	22.23
275.00	-3.83	22.84	-3.24	22.25
276.00	-3.82	22.86	-3.24	22.28
277.00	-3.82	22.89	-3.21	22.28

HFBA 9122 + BBAK 9137 Element-Gesamtlänge: / Total Element Length: 0.92 m



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Kalibrierdaten HFBA 9122 mit BBAK 9137 Bikonuselementen Calibration Data HFBA 9122 with BBAK 9137 Biconical Elements

Frequency	Gain(Isotr.) 1 m	Ant.-Factor 1 m	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dB	dB/m	dB	dB/m
278.00	-3.83	22.93	-3.17	22.27
279.00	-3.83	22.96	-3.12	22.25
280.00	-3.80	22.96	-3.07	22.24
281.00	-3.76	22.96	-3.03	22.22
282.00	-3.76	22.98	-2.97	22.19
283.00	-3.77	23.02	-2.96	22.21
284.00	-3.77	23.06	-2.97	22.26
285.00	-3.75	23.07	-3.00	22.31
286.00	-3.74	23.09	-3.01	22.36
287.00	-3.74	23.12	-3.01	22.39
288.00	-3.72	23.13	-2.97	22.38
289.00	-3.69	23.13	-2.90	22.34
290.00	-3.68	23.15	-2.87	22.33
291.00	-3.67	23.17	-2.86	22.36
292.00	-3.66	23.19	-2.85	22.38
293.00	-3.65	23.21	-2.86	22.42
294.00	-3.65	23.24	-2.92	22.51
295.00	-3.64	23.26	-2.98	22.60
296.00	-3.61	23.25	-3.00	22.64
297.00	-3.60	23.28	-2.98	22.65
298.00	-3.63	23.33	-2.93	22.63
299.00	-3.65	23.39	-2.86	22.59
300.00	-3.62	23.39	-2.79	22.55
301.00	-3.56	23.35	-2.74	22.53
302.00	-3.52	23.34	-2.70	22.52
303.00	-3.53	23.38	-2.70	22.55
304.00	-3.58	23.45	-2.73	22.60
305.00	-3.59	23.50	-2.75	22.66
306.00	-3.56	23.50	-2.73	22.67
307.00	-3.51	23.48	-2.66	22.62
308.00	-3.47	23.46	-2.59	22.58
309.00	-3.45	23.46	-2.54	22.55
310.00	-3.43	23.48	-2.51	22.56
311.00	-3.42	23.49	-2.50	22.57
312.00	-3.39	23.49	-2.49	22.59
313.00	-3.36	23.50	-2.45	22.58
314.00	-3.36	23.52	-2.40	22.56
315.00	-3.37	23.56	-2.36	22.55
316.00	-3.35	23.56	-2.34	22.55
317.00	-3.30	23.54	-2.31	22.55
318.00	-3.24	23.51	-2.28	22.55
319.00	-3.22	23.51	-2.26	22.56
320.00	-3.20	23.52	-2.26	22.58

HFBA 9122 + BBAK 9137 Element-Gesamtlänge: / Total Element Length: 0.92 m



ABSOLUTE EMC LLC. Covering
sales in North America United
States, Mexico, & Canada

absolute-emc.com
Phone: 703-774-7505
info@absolute-emc.com