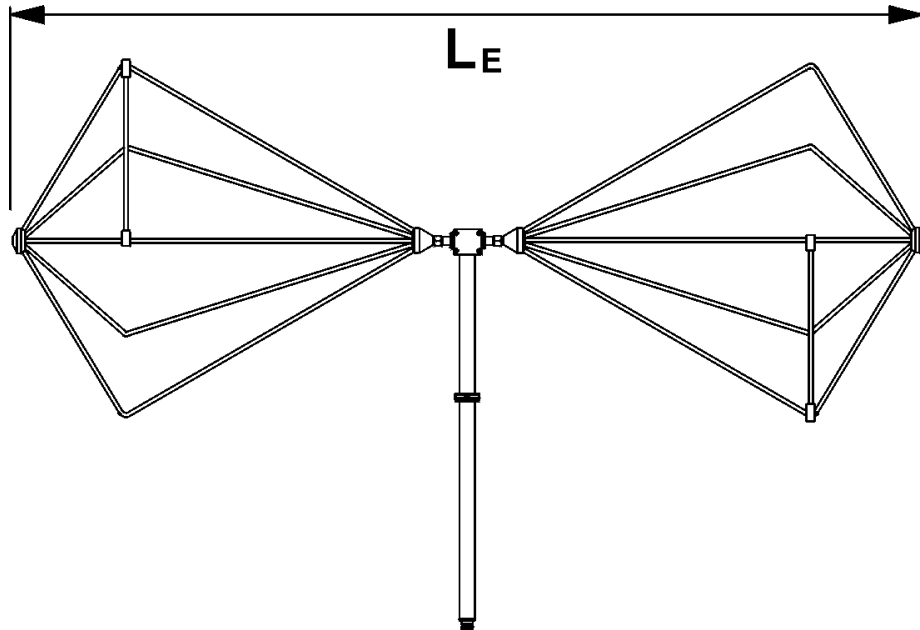


# SCHWARZBECK MESS - ELEKTRONIK

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

## BBAK 9137 Bikonuselemente in Balun / Halterung VHBB 9124 BBAK 9137 Biconical Elements in Balun VHBB 9124



### Techn. Daten

### BBAK 9137 in VHBB 9124

### Specification:

Frequenzbereich:	45-450 MHz
Max. Eingangsleistung:	10 W
Antennenfaktor:	12...26 dB/m
Isotropgewinn:	-13...1.8 dBi
Polarisation:	linear
Kreuzpolarisation:	>20 dB
Elementlänge LE (gesamt):	0.92 m
Konusdurchmesser:	0.35 m
Elementaufnahme:	10 mm
Gesamtlänge Halterung:	0.53 m
Rohrdurchmesser Halter:	22 mm
Anschlußbuchse:	N
Gewicht:	1.8 kg

Frequency Range:	
Max. Input Power:	
Antenna Factor:	
Isotropic Gain:	
Polarisation:	
Cross Polarisation:	
Element Length LE (total):	
Cone Diameter:	
Element Fixture:	
Holder Length (total):	
Holder Tube Diameter:	
Connector (female):	
Weight:	

### Kurzbeschreibung

Bikonusanntennen haben ähnliche Eigenschaften wie abgestimmte Halbwellendipole (Rundstrahlcharakteristik in der H-Ebene, "8"-er Charakteristik in der E-Ebene, festes Phasenzentrum, vergleichbarer Gewinn), wobei durch die charakteristische Form der Doppelkonus-Elemente eine recht große Bandbreite erreicht wird.

### Brief description

Biconical Antennas have dipole-like characteristics (e.g. circular directional pattern in the H-plane, "8"-shaped in the E-plane, fixed phase center, comparable gain), with an enormous wide bandwidth, achieved by the double cone elements.

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## **BBAK 9137 Bikonuselemente in Balun / Halterung VHBB 9124** ***BBAK 9137 Biconical Elements in Balun VHBB 9124***

Frequency	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dBi	dB/m
30.00	-20.10	19.86
32.00	-19.30	19.62
34.00	-18.30	19.15
36.00	-17.17	18.52
38.00	-16.14	17.96
40.00	-15.17	17.44
42.00	-14.25	16.94
44.00	-13.43	16.52
46.00	-12.63	16.11
48.00	-11.78	15.63
50.00	-11.13	15.33
52.00	-10.58	15.12
54.00	-10.10	14.97
56.00	-9.78	14.96
58.00	-9.29	14.77
60.00	-8.75	14.54
62.00	-8.05	14.12
64.00	-7.48	13.82
66.00	-7.01	13.62
68.00	-6.66	13.53
70.00	-6.29	13.41
72.00	-5.95	13.32
74.00	-5.58	13.18
76.00	-5.23	13.06
78.00	-4.98	13.04
80.00	-4.58	12.86
82.00	-4.19	12.69
84.00	-3.82	12.53
86.00	-3.57	12.48
88.00	-3.23	12.34
90.00	-2.94	12.24
92.00	-2.66	12.16
94.00	-2.54	12.23
96.00	-2.34	12.20
98.00	-2.23	12.27
100.00	-2.09	12.31
102.00	-2.07	12.46
104.00	-1.89	12.45
106.00	-1.67	12.40
108.00	-1.34	12.23
110.00	-1.02	12.07
112.00	-0.80	12.00
114.00	-0.57	11.93
116.00	-0.48	11.99
118.00	-0.30	11.96
120.00	-0.25	12.05
122.00	-0.22	12.17
124.00	-0.23	12.31
126.00	-0.26	12.48
128.00	-0.21	12.57

Frequency	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dBi	dB/m
130.00	-0.21	12.70
132.00	-0.03	12.66
134.00	0.08	12.69
136.00	0.17	12.72
138.00	0.24	12.78
140.00	0.33	12.82
142.00	0.44	12.83
144.00	0.50	12.89
146.00	0.59	12.92
148.00	0.63	12.99
150.00	0.65	13.09
152.00	0.72	13.14
154.00	0.80	13.17
156.00	0.87	13.21
158.00	0.91	13.28
160.00	1.02	13.28
162.00	1.06	13.35
164.00	1.03	13.48
166.00	0.95	13.67
168.00	0.96	13.77
170.00	1.05	13.78
172.00	1.17	13.76
174.00	1.26	13.77
176.00	1.35	13.78
178.00	1.48	13.75
180.00	1.58	13.74
182.00	1.68	13.74
184.00	1.66	13.86
186.00	1.71	13.90
188.00	1.71	14.00
190.00	1.71	14.09
192.00	1.61	14.27
194.00	1.57	14.41
196.00	1.51	14.56
198.00	1.48	14.68
200.00	1.46	14.78
202.00	1.50	14.83
204.00	1.57	14.84
206.00	1.68	14.82
208.00	1.67	14.91
210.00	1.73	14.93
212.00	1.69	15.06
214.00	1.81	15.02
216.00	1.75	15.16
218.00	1.75	15.24
220.00	1.65	15.42
222.00	1.64	15.51
224.00	1.59	15.64
226.00	1.60	15.70
228.00	1.63	15.75

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Frequency	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dBi	dB/m
230.00	1.61	15.84
232.00	1.52	16.01
234.00	1.48	16.13
236.00	1.41	16.27
238.00	1.50	16.26
240.00	1.43	16.40
242.00	1.42	16.48
244.00	1.30	16.67
246.00	1.33	16.70
248.00	1.38	16.73
250.00	1.43	16.75
252.00	1.43	16.82
254.00	1.39	16.92
256.00	1.35	17.03
258.00	1.34	17.11
260.00	1.32	17.20
262.00	1.23	17.36
264.00	1.12	17.54
266.00	1.04	17.67
268.00	1.07	17.72
270.00	0.99	17.86
272.00	0.97	17.94
274.00	1.00	17.98
276.00	1.09	17.95
278.00	1.12	17.98
280.00	1.08	18.08
282.00	1.09	18.14
284.00	1.14	18.14
286.00	1.14	18.21
288.00	1.11	18.29
290.00	1.05	18.42
292.00	1.06	18.47
294.00	1.05	18.54
296.00	1.01	18.63
298.00	0.88	18.83
300.00	0.82	18.94
302.00	0.85	18.97
304.00	0.88	18.99
306.00	0.81	19.12
308.00	0.73	19.26
310.00	0.74	19.30
312.00	0.78	19.32
314.00	0.78	19.38
316.00	0.75	19.46
318.00	0.74	19.53
320.00	0.70	19.62
322.00	0.68	19.69
324.00	0.61	19.82
326.00	0.57	19.91
328.00	0.52	20.01
330.00	0.44	20.15

Frequency	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dBi	dB/m
332.00	0.32	20.32
334.00	0.20	20.50
336.00	0.10	20.65
338.00	0.08	20.72
340.00	0.11	20.74
342.00	0.16	20.74
344.00	0.12	20.83
346.00	0.06	20.95
348.00	0.13	20.92
350.00	0.21	20.89
352.00	0.29	20.86
354.00	0.19	21.01
356.00	0.07	21.18
358.00	-0.07	21.36
360.00	-0.03	21.38
362.00	-0.06	21.46
364.00	-0.10	21.54
366.00	-0.28	21.77
368.00	-0.30	21.84
370.00	-0.38	21.96
372.00	-0.41	22.04
374.00	-0.41	22.09
376.00	-0.34	22.07
378.00	-0.31	22.08
380.00	-0.40	22.22
382.00	-0.48	22.34
384.00	-0.47	22.38
386.00	-0.40	22.35
388.00	-0.44	22.44
390.00	-0.59	22.63
392.00	-0.75	22.84
394.00	-0.74	22.87
396.00	-0.71	22.88
398.00	-0.62	22.84
400.00	-0.66	22.93
402.00	-0.77	23.08
404.00	-0.88	23.23
406.00	-0.89	23.28
408.00	-0.84	23.28
410.00	-0.91	23.39
412.00	-1.08	23.60
414.00	-1.14	23.70
416.00	-1.22	23.82
418.00	-1.19	23.84
420.00	-1.26	23.95
422.00	-1.32	24.04
424.00	-1.41	24.18
426.00	-1.55	24.36
428.00	-1.61	24.46
430.00	-1.63	24.52
432.00	-1.66	24.59

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Frequency	Gain(Isotr.) 3 m	Ant.-Factor 3 m
MHz	dBi	dB/m
434.00	-1.76	24.73
436.00	-2.01	25.02
438.00	-2.26	25.31
440.00	-2.53	25.61
442.00	-2.80	25.93
444.00	-3.03	26.20
446.00	-3.08	26.29
448.00	-3.02	26.26
450.00	-2.99	26.27
452.00	-3.02	26.34
454.00	-3.14	26.50
456.00	-3.21	26.61
458.00	-3.32	26.75
460.00	-3.45	26.93

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