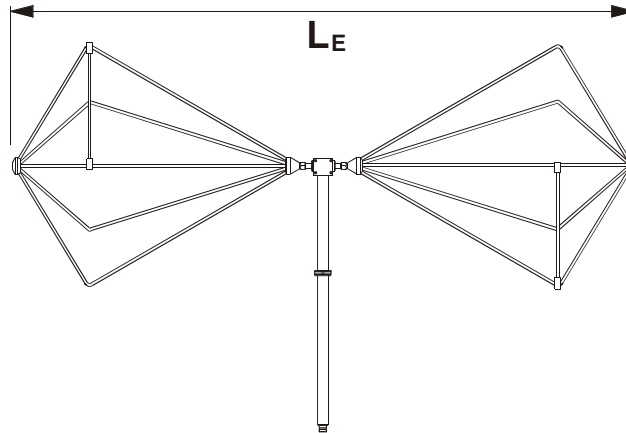


# SCHWARZBECK MESS - ELEKTRONIK

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

## BBVK 9138 Bikonuselemente in Balun / Halterung VHBB 9124 *BBVK 9138 Biconical Elements in Balun VHBB 9124*



### Techn. Daten

### BBVK 9138 in VHBB 9124

### Specification:

Frequenzbereich:	60-600 MHz
Max. Eingangsleistung:	10 W
Antennenfaktor:	14...27 dB/m
Isotropgewinn:	-13...1.5 dBi
Polarisation:	linear
Kreuzpolarisation:	>20 dB
Elementlänge LE (gesamt):	0.72 m
Konusdurchmesser:	0.26 m
Elementaufnahme:	10 mm
Gesamtlänge Halterung:	0.53 m
Rohrdurchmesser Halter:	22 mm
Anschlußbuchse:	N
Gewicht:	1.6 kg

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

### **Kurzbeschreibung**

Bikonusanntenen 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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Frequency	Distance	lambda	Attenuation	Gain (Isotr.)	Gain (Dipole)	Ant.-Factor
MHz	m	m	dB	dBi	dBd	dB/m
30.00	4.65	10.00	64.45	-24.56	-26.71	24.32
35.00	4.65	8.57	60.85	-22.09	-24.24	23.19
40.00	4.65	7.50	57.20	-19.68	-21.83	21.94
45.00	4.65	6.67	53.90	-17.52	-19.67	20.81
50.00	4.65	6.00	50.92	-15.57	-17.73	19.77
55.00	4.65	5.45	48.62	-14.01	-16.16	19.04
60.00	4.65	5.00	46.83	-12.74	-14.89	18.52
65.00	4.65	4.62	45.00	-11.47	-13.63	17.95
70.00	4.65	4.29	43.18	-10.24	-12.39	17.36
75.00	4.65	4.00	41.29	-9.00	-11.15	16.72
80.00	4.65	3.75	39.95	-8.05	-10.20	16.33
85.00	4.65	3.53	38.97	-7.29	-9.45	16.10
90.00	4.65	3.33	38.10	-6.61	-8.76	15.92
95.00	4.65	3.16	36.66	-5.66	-7.81	15.43
100.00	4.65	3.00	35.38	-4.79	-6.94	15.01
110.00	4.65	2.73	34.10	-3.74	-5.89	14.79
120.00	4.65	2.50	33.40	-3.01	-5.16	14.82
130.00	4.65	2.31	31.80	-1.86	-4.02	14.36
140.00	4.65	2.14	31.13	-1.21	-3.36	14.35
150.00	4.65	2.00	30.71	-0.70	-2.85	14.44
160.00	4.65	1.88	30.39	-0.26	-2.41	14.56
170.00	4.65	1.76	30.13	0.14	-2.02	14.69
180.00	4.65	1.67	29.87	0.51	-1.64	14.81
190.00	4.65	1.58	30.02	0.67	-1.48	15.12
200.00	4.65	1.50	29.73	1.04	-1.11	15.20
210.00	4.65	1.43	29.62	1.31	-0.84	15.36
220.00	4.65	1.36	29.90	1.37	-0.78	15.70
230.00	4.65	1.30	30.02	1.50	-0.65	15.95
240.00	4.65	1.25	30.42	1.49	-0.66	16.34
250.00	4.65	1.20	30.92	1.42	-0.74	16.76
260.00	4.65	1.15	31.04	1.53	-0.62	16.99
270.00	4.65	1.11	31.69	1.36	-0.79	17.48
280.00	4.65	1.07	32.35	1.19	-0.96	17.97
290.00	4.65	1.03	32.84	1.10	-1.05	18.37
300.00	4.65	1.00	33.47	0.93	-1.22	18.83
350.00	4.65	0.86	36.70	-0.01	-2.16	21.11
400.00	4.65	0.75	39.00	-0.58	-2.73	22.84
450.00	4.65	0.67	40.94	-1.04	-3.19	24.33
500.00	4.65	0.60	41.50	-0.86	-3.02	25.06
550.00	4.65	0.55	42.51	-0.95	-3.10	25.98
600.00	4.65	0.50	43.99	-1.32	-3.47	27.11
MHz	m	m	dB	dBi	dBd	dB/m

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