

130 to 210 kHz-D (Broadband)

Transformed to 100 ohms minimum (B2)

Power Rating:

- 600 W @ 1% duty cycle
- CW⁽⁴⁾: 6W in B75, B765

43 mm (1.7 in) PZT

Active Area: 14.5 cm² (2.25 in²)

Radiating Surface: Urethane

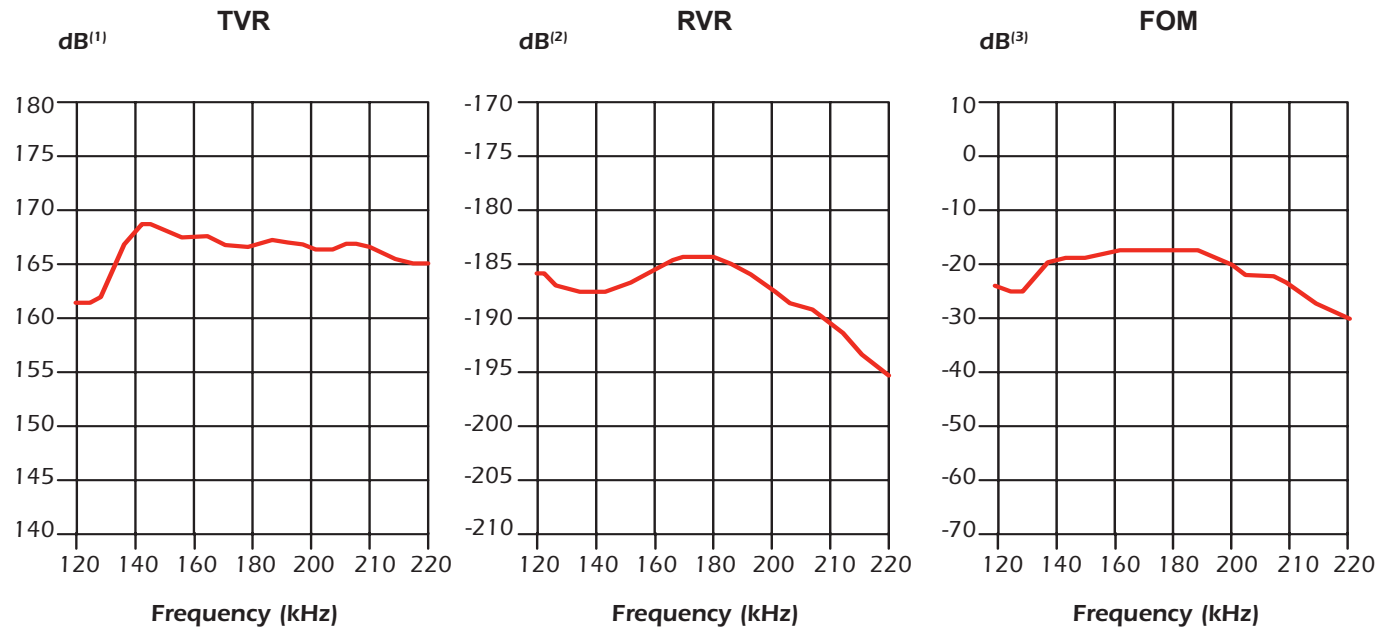
Q ≈ 2

Cable Type: C334

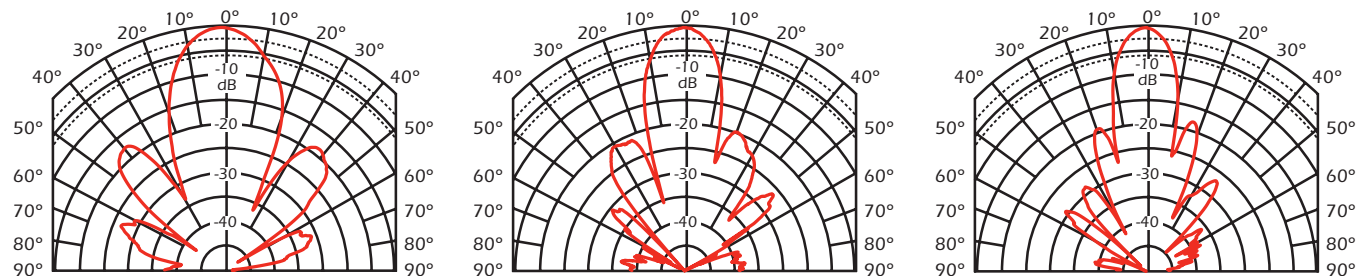
Cable Length: 10 m (33 ft)

Notes:

- (1) dB re 1 μPa per volt at 1 meter
- (2) dB re 1 volt per μPa
- (3) Sum of transmitting voltage response and receiving voltage response
- (4) CW Power ratings is for 20°C seawater temperature. Consult Airmar for different housing CW ratings.



Transmit Radiation Pattern



Beamwidth	@ 130 kHz
-3 dB	15°
-6 dB	22°
-10 dB	29°

Beamwidth	@ 170 kHz
-3 dB	12°
-6 dB	16°
-10 dB	20°

Beamwidth	@ 210 kHz
-3 dB	9°
-6 dB	13°
-10 dB	17°



Sensing Technology

Technical Data Catalog

130 to 210 kHz-D (Broadband)

Note: Impedance data includes cable

Balanced Impedance Table (Nominal Value) in 20°C Water

Test Frequency (kHz)	Impedance Magnitude (Ω)	Phase Angle (°)	Series Resistance (Ω)	Series Reactance (Ω)	Parallel Conductance (mS)	Parallel Susceptance (mS)	Parallel Resistance (Ω)	Parallel Capacitance (pF)
120.00	269.48	3.01	269.11	14.13	3.71	-0.19	269.85	-258.06
122.00	260.47	0.21	260.47	0.96	3.84	-0.01	260.47	-18.49
124.00	253.05	-4.36	252.32	-19.26	3.94	0.30	253.79	386.00
128.00	220.57	-14.96	213.09	-56.94	4.38	1.17	228.31	1455.39
130.00	197.24	-19.13	186.35	-64.63	4.79	1.66	208.76	2033.87
132.00	172.07	-21.41	160.19	-62.82	5.41	2.12	184.82	2558.24
136.00	131.39	-17.93	125.01	-40.46	7.24	2.34	138.10	2742.70
138.00	118.92	-13.01	115.86	-26.78	8.19	1.89	122.05	2183.97
140.00	112.08	-7.32	111.16	-14.27	8.85	1.14	113.00	1291.57
144.00	110.27	4.60	109.91	8.85	9.04	-0.73	110.63	-804.01
146.00	114.52	9.74	112.87	19.37	8.61	-1.48	116.19	-1610.33
148.00	120.86	13.64	117.45	28.50	8.04	-1.95	124.37	-2098.09
152.00	139.10	17.26	132.84	41.26	6.87	-2.13	145.65	-2233.16
154.00	147.85	17.35	141.13	44.09	6.46	-2.02	154.90	-2084.22
156.00	154.97	17.03	148.17	45.40	6.17	-1.89	162.08	-1928.57
160.00	169.60	17.72	161.56	51.62	5.62	-1.79	178.05	-1785.02
162.00	180.74	17.78	172.11	55.19	5.27	-1.69	189.81	-1659.67
164.00	193.67	17.24	184.96	57.40	4.93	-1.53	202.78	-1485.21
168.00	223.00	13.60	216.75	52.42	4.36	-1.05	229.42	-998.59
170.00	237.88	10.71	233.73	44.21	4.13	-0.78	242.10	-731.48
172.00	250.60	6.98	248.74	30.44	3.96	-0.48	252.47	-448.53
176.00	269.52	-1.57	269.42	-7.40	3.71	0.10	269.62	92.15
178.00	273.26	-5.90	271.81	-28.09	3.64	0.38	274.71	336.36
180.00	273.40	-9.79	269.42	-46.50	3.60	0.62	277.44	550.02
184.00	272.28	-16.01	261.72	-75.09	3.53	1.01	283.27	876.14
186.00	272.80	-18.78	258.28	-87.82	3.47	1.18	288.14	1009.74
188.00	273.66	-21.49	254.64	-100.25	3.40	1.34	294.11	1133.27
192.00	276.17	-27.67	244.59	-128.23	3.21	1.68	311.82	1393.72
194.00	275.28	-31.30	235.23	-143.00	3.10	1.89	322.16	1548.08
196.00	272.18	-34.76	223.59	-155.19	3.02	2.10	331.31	1701.13
200.00	262.43	-41.20	197.46	-172.86	2.87	2.51	348.78	1997.36
202.00	256.31	-44.32	183.37	-179.08	2.79	2.73	358.26	2147.77
204.00	248.41	-47.22	168.72	-182.32	2.73	2.95	365.74	2305.12
208.00	230.57	-51.51	143.50	-180.47	2.70	3.39	370.46	2597.56
210.00	223.74	-52.91	134.93	-178.47	2.70	3.57	370.98	2702.02
212.00	218.46	-54.19	127.82	-177.16	2.68	3.71	373.35	2786.83
216.00	211.99	-57.22	114.79	-178.22	2.55	3.97	391.49	2922.17
218.00	208.53	-59.11	107.04	-178.96	2.46	4.12	406.24	3004.54
220.00	204.66	-61.23	98.51	-179.40	2.35	4.28	425.22	3098.41