

150 to 250 kHz-B (Broadband) Transformed to 125 ohms minimum (B1)

Power Rating:

- 600 W @ 1% duty cycle
- CW⁽⁴⁾: 6 W in TM165

51 mm (2.0") PZT

Active Area: 20.3 cm² (3.14 in²)

Radiating Surface: Urethane

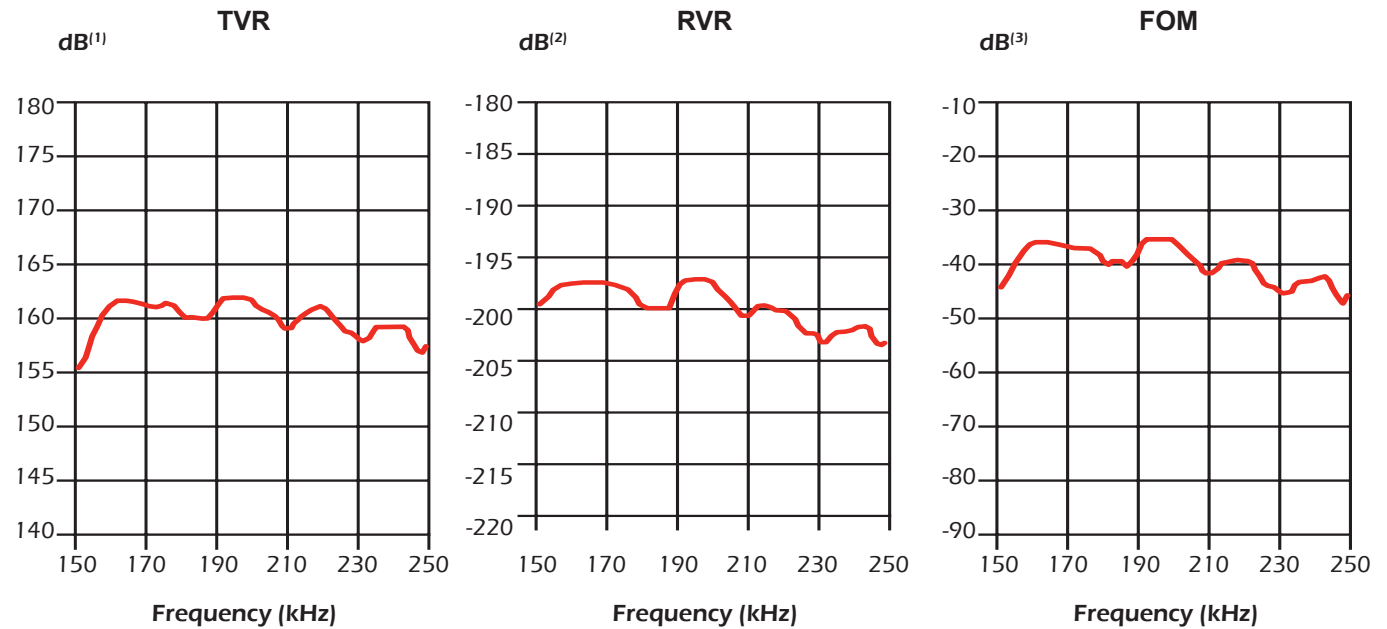
Q ≈ 3

Cable Type: C315

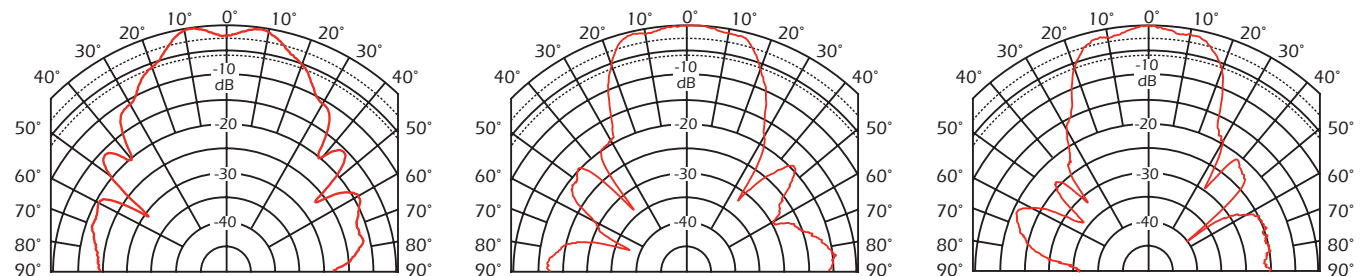
Cable Length: 9.1 m (30 ft)

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	@ 150 kHz
-3 dB	30°
-6 dB	43°
-10 dB	55°

Beamwidth	@ 210 kHz
-3 dB	34°
-6 dB	40°
-10 dB	46°

Beamwidth	@ 235 kHz
-3 dB	32°
-6 dB	39°
-10 dB	45°

Technical Data Catalog

150 to 250 kHz-B (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)
150.00	142.50	-41.43	106.83	-94.30	5.26	4.64	190.06	4927.44
154.00	119.94	-45.02	84.79	-84.84	5.89	5.90	169.67	6094.58
158.00	98.19	-39.10	76.20	-61.92	7.90	6.42	126.52	6469.74
162.00	90.89	-30.48	78.33	-46.10	9.48	5.58	105.47	5483.03
166.00	91.65	-23.27	84.19	-36.21	10.02	4.31	99.77	4132.93
170.00	99.35	-20.58	93.01	-34.93	9.42	3.54	106.13	3312.81
174.00	99.30	-24.18	90.58	-40.68	9.19	4.13	108.85	3773.65
178.00	92.08	-21.18	85.86	-33.27	10.13	3.92	98.75	3508.21
182.00	92.97	-18.05	88.40	-28.80	10.23	3.33	97.78	2914.02
186.00	95.99	-13.75	93.23	-22.82	10.12	2.48	98.82	2119.57
188.00	101.38	-12.85	98.84	-22.54	9.62	2.19	103.98	1856.94
190.00	106.12	-14.01	102.97	-25.70	9.14	2.28	109.38	1911.16
192.00	108.16	-15.46	104.25	-28.83	8.91	2.46	112.22	2042.56
194.00	109.65	-16.31	105.24	-30.80	8.75	2.56	114.25	2101.55
196.00	112.21	-17.35	107.11	-33.47	8.51	2.66	117.56	2158.43
198.00	114.06	-19.20	107.72	-37.51	8.28	2.88	120.78	2317.33
200.00	113.59	-21.46	105.71	-41.55	8.19	3.22	122.05	2562.87
202.00	111.25	-23.08	102.34	-43.62	8.27	3.52	120.93	2776.86
206.00	106.52	-22.20	98.62	-40.24	8.69	3.55	115.04	2740.35
208.00	108.64	-20.78	101.57	-38.54	8.61	3.27	116.19	2498.45
210.00	114.34	-21.14	106.64	-41.24	8.16	3.15	122.59	2390.96
212.00	118.62	-24.67	107.80	-49.51	7.66	3.52	130.54	2641.20
214.00	115.83	-29.01	101.29	-56.17	7.55	4.19	132.44	3113.97
216.00	108.10	-31.01	92.65	-55.69	7.93	4.77	126.13	3511.71
218.00	102.01	-29.68	88.63	-50.51	8.52	4.85	117.41	3543.74
220.00	100.49	-27.32	89.28	-46.12	8.84	4.57	113.11	3304.19
222.00	101.66	-25.92	91.43	-44.43	8.85	4.30	113.03	3082.37
226.00	103.52	-25.45	93.47	-44.48	8.72	4.15	114.64	2923.29
228.00	104.57	-25.17	94.64	-44.48	8.65	4.07	115.54	2839.04
230.00	106.22	-25.37	95.97	-45.52	8.51	4.03	117.56	2791.55
232.00	107.15	-26.36	96.01	-47.58	8.36	4.14	119.59	2842.71
234.00	105.62	-27.17	93.97	-48.23	8.42	4.32	118.72	2940.27
236.00	103.24	-26.24	92.60	-45.65	8.69	4.28	115.10	2888.04
238.00	103.79	-23.92	94.87	-42.08	8.81	3.91	113.54	2612.58
240.00	108.39	-22.34	100.25	-41.21	8.53	3.51	117.19	2325.83
242.00	113.72	-22.58	105.00	-43.66	8.12	3.38	123.15	2220.31
244.00	117.84	-23.32	108.21	-46.65	7.79	3.36	128.32	2191.24
246.00	122.64	-24.27	111.80	-50.41	7.43	3.35	134.53	2168.59
248.00	127.93	-26.46	114.53	-56.99	7.00	3.48	142.90	2234.84
250.00	129.77	-29.67	112.76	-64.23	6.70	3.81	149.35	2428.03