

25 to 50 kHz-A (Broadband)

Ceramics wired in parallel

Power Rating:

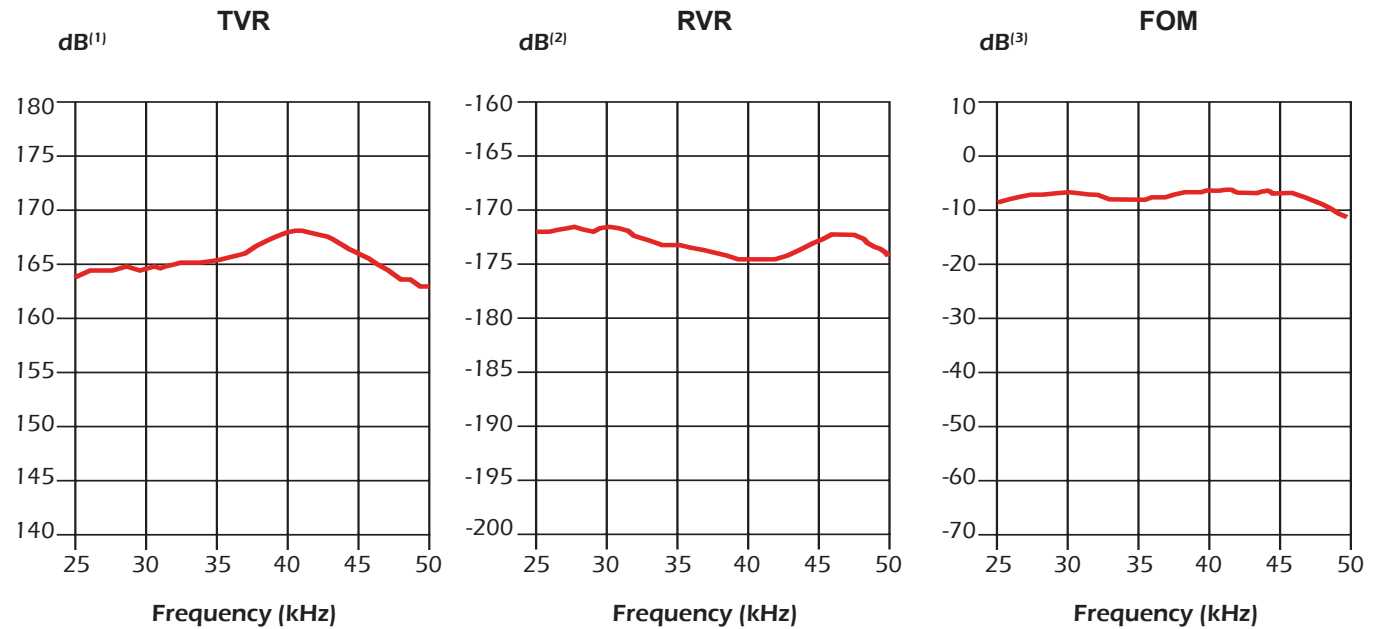
- 3 kW @ 1% duty cycle
 - CW⁽⁴⁾: 60W in CM510
- 15 x 44.4 mm (1.7") PZT4
Active Area: 232.8 cm²
Radiating Surface: Epoxy

Q ≈ 2

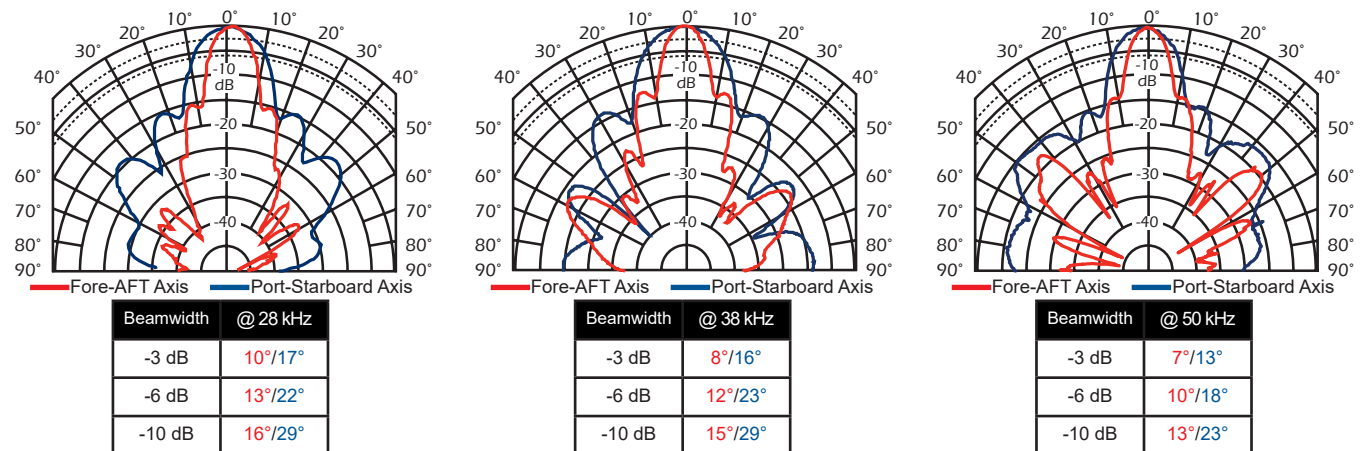
Cable Type: C421
Cable Length: 25 m (82 ft)

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



Technical Data Catalog

25 to 50 kHz-A (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)
25.00	204.48	8.46	202.26	30.07	4.84	-0.72	206.73	-4577.78
25.50	195.97	10.97	192.39	37.31	5.01	-0.97	199.62	-6063.12
26.00	192.67	17.19	184.06	56.94	4.96	-1.53	201.68	-9390.20
26.50	199.86	22.04	185.25	75.00	4.64	-1.88	215.61	-11276.45
27.00	209.10	18.57	198.22	66.58	4.53	-1.52	220.58	-8975.95
28.00	210.07	16.26	201.67	58.83	4.57	-1.33	218.83	-7577.40
28.50	202.19	17.87	192.44	62.04	4.71	-1.52	212.44	-8473.82
29.00	212.25	15.73	204.31	57.53	4.54	-1.28	220.51	-7008.87
29.50	224.39	14.48	217.26	56.12	4.31	-1.11	231.75	-6013.24
30.50	228.40	11.39	223.90	45.10	4.29	-0.86	232.99	-4511.72
31.00	236.65	6.20	235.27	25.54	4.20	-0.46	238.04	-2341.58
31.50	233.39	2.21	233.21	8.99	4.28	-0.17	233.56	-833.92
32.00	216.19	1.07	216.16	4.03	4.62	-0.09	216.23	-428.71
33.00	208.57	-0.50	208.56	-1.82	4.79	0.04	208.58	201.37
34.00	198.24	0.22	198.24	0.77	5.04	-0.02	198.24	-91.99
34.50	201.02	-0.54	201.01	-1.89	4.97	0.05	201.02	215.73
35.50	203.64	-2.28	203.48	-8.09	4.91	0.20	203.80	874.38
36.00	198.24	-4.95	197.50	-17.10	5.03	0.44	198.98	1923.65
36.50	195.59	-6.10	194.48	-20.79	5.08	0.54	196.70	2370.07
37.00	190.47	-8.08	188.58	-26.77	5.20	0.74	192.38	3174.51
38.00	170.45	-8.92	168.39	-26.43	5.80	0.91	172.54	3810.61
38.50	166.59	-7.45	165.19	-21.61	5.95	0.78	168.01	3218.92
39.00	159.62	-6.58	158.57	-18.29	6.22	0.72	160.68	2929.06
39.50	153.34	-4.54	152.86	-12.14	6.50	0.52	153.82	2080.21
40.50	151.89	1.47	151.84	3.90	6.58	-0.17	151.94	-664.98
41.00	149.94	3.98	149.58	10.41	6.65	-0.46	150.31	-1796.82
41.50	151.76	7.92	150.31	20.92	6.53	-0.91	153.22	-3483.44
42.00	159.42	11.74	156.09	32.43	6.14	-1.28	162.83	-4834.73
43.50	192.63	19.57	181.50	64.53	4.89	-1.74	204.44	-6362.93
44.00	217.59	21.08	203.03	78.25	4.29	-1.65	233.19	-5978.35
44.50	234.40	19.19	221.37	77.06	4.03	-1.40	248.19	-5016.41
45.50	273.66	17.13	261.53	80.58	3.49	-1.08	286.36	-3763.79
46.00	298.70	15.37	288.02	79.16	3.23	-0.89	309.78	-3069.79
46.50	317.74	8.74	314.06	48.26	3.11	-0.48	321.47	-1636.04
47.00	341.20	3.25	340.65	19.33	2.93	-0.17	341.75	-562.38
47.50	368.18	0.74	368.15	4.78	2.72	-0.04	368.21	-118.22
48.00	385.12	-4.19	384.09	-28.15	2.59	0.19	386.15	629.24
48.50	379.52	-11.89	371.38	-78.18	2.58	0.54	387.84	1781.22
49.00	384.40	-17.39	366.84	-114.87	2.48	0.78	402.81	2524.96
49.50	390.08	-21.15	363.81	-140.72	2.39	0.92	418.24	2973.55
50.00	386.45	-28.74	338.86	-185.80	2.27	1.24	440.74	3960.14