

25 to 45 kHz-A (Broadband)

Ceramics wired in parallel

Power Rating:

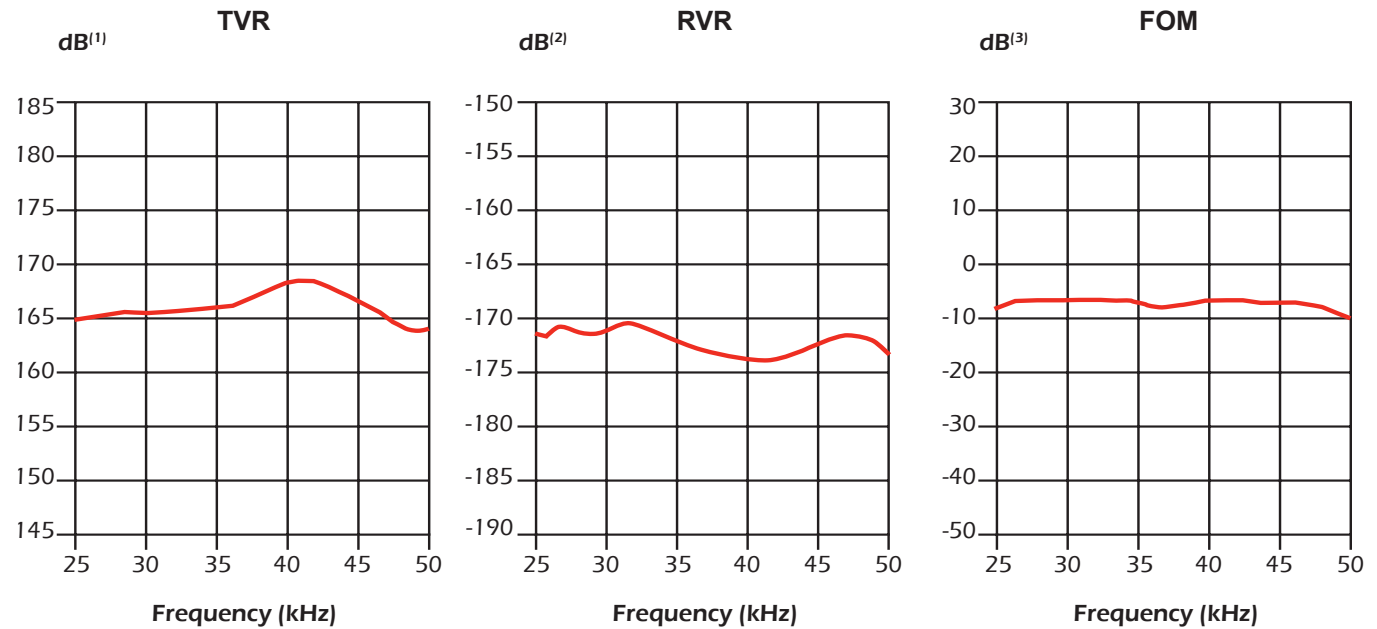
- 3 kW @ 1% duty cycle
 - CW⁽⁴⁾: 60W in R609
- 15 x 44.4 mm (1.7") PZT4
Active Area: 232.8 cm²
Radiating Surface: Epoxy

Q ≈ 2

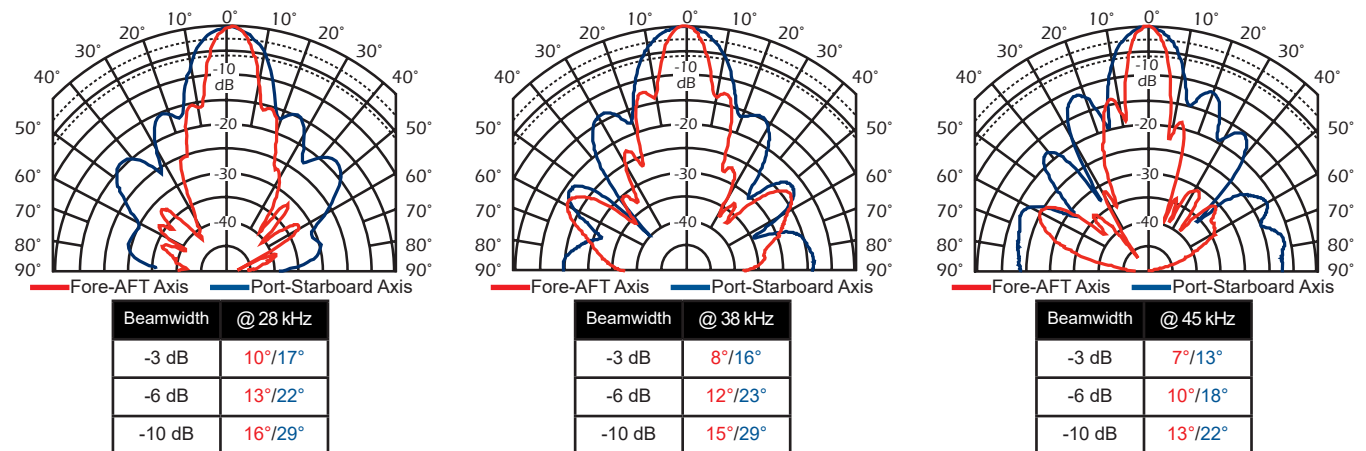
Cable Type: C44
Cable Length: 10 m (33 ft)

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



Technical Data Catalog

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Note: Impedance data includes cable

1 kHz Capacitance: 38,275 pF: ± 20%

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	197.22	-4.87	196.51	-16.73	5.0521	0.4300	197.94	2737.72
25.50	202.12	1.96	202.00	6.91	4.9447	-0.1692	202.24	-1056.28
26.00	176.40	8.02	174.68	24.60	5.6135	-0.7906	178.14	-4839.29
26.50	186.13	6.46	184.95	20.95	5.3385	-0.6047	187.32	-3631.79
27.00	218.58	9.16	215.79	34.81	4.5165	-0.7285	221.41	-4294.20
27.50	191.32	10.55	188.09	35.03	5.1384	-0.9569	194.61	-5537.84
28.00	186.11	7.12	184.67	23.08	5.3317	-0.6664	187.56	-3787.93
28.50	215.63	7.33	213.87	27.50	4.5997	-0.5915	217.40	-3303.38
29.00	203.33	13.97	197.31	49.08	4.7728	-1.1871	209.52	-6515.01
29.50	198.65	10.03	195.61	34.60	4.9570	-0.8767	201.73	-4729.88
30.00	212.67	7.84	210.68	29.01	4.6582	-0.6413	214.68	-3402.38
30.50	240.79	13.00	234.61	54.17	4.0466	-0.9343	247.12	-4875.43
31.00	220.33	6.27	219.01	24.05	4.5115	-0.4954	221.65	-2543.30
31.50	259.13	-2.09	258.96	-9.46	3.8565	0.1409	259.30	711.66
32.00	264.80	3.56	264.29	16.46	3.7691	-0.2347	265.31	-1167.52
32.50	231.01	-1.04	230.97	-4.19	4.3281	0.0785	231.05	384.48
33.00	246.18	-11.15	241.53	-47.61	3.9854	0.7856	250.92	3788.90
33.50	249.38	-6.23	247.91	-27.05	3.9864	0.4349	250.86	2066.16
34.00	217.24	-7.92	215.17	-29.95	4.5592	0.6345	219.34	2970.26
34.50	209.45	-16.39	200.95	-59.09	4.5804	1.3468	218.32	6213.06
35.00	221.39	-13.08	215.64	-50.11	4.3997	1.0225	227.29	4649.37
35.50	197.45	-10.33	194.25	-35.40	4.9824	0.9081	200.70	4071.25
36.00	192.32	-16.14	184.75	-53.46	4.9946	1.4453	200.22	6389.62
36.50	203.19	-14.72	196.52	-51.62	4.7602	1.2503	210.08	5451.70
37.00	183.67	-14.07	178.16	-44.66	5.2811	1.3240	189.36	5695.05
37.50	179.23	-19.06	169.41	-58.53	5.2736	1.8219	189.63	7732.24
38.00	178.93	-15.83	172.14	-48.81	5.3769	1.5246	185.98	6385.31
38.50	159.26	-11.67	155.96	-32.22	6.1493	1.2704	162.62	5251.72
39.00	160.04	-15.55	154.18	-42.90	6.0197	1.6750	166.12	6835.64
39.50	170.26	-11.73	166.70	-34.60	5.7509	1.1936	173.89	4809.48
40.00	155.21	-6.55	154.20	-17.71	6.4007	0.7349	156.23	2924.27
40.50	148.58	-9.87	146.38	-25.46	6.6310	1.1533	150.81	4532.37
41.00	159.37	-5.11	158.74	-14.21	6.2497	0.5594	160.01	2171.44
41.50	146.81	3.17	146.58	8.13	6.8013	-0.3771	147.03	-1446.18
42.00	147.22	2.74	147.05	7.03	6.7848	-0.3245	147.39	-1229.76
42.50	177.17	4.78	176.55	14.75	5.6248	-0.4700	177.78	-1760.25
43.00	174.34	13.22	169.72	39.88	5.5839	-1.3121	179.09	-4856.37
43.50	177.82	10.52	174.83	32.47	5.5291	-1.0269	180.86	-3757.27
44.00	221.38	8.59	218.89	33.05	4.4666	-0.6743	223.88	-2439.15
44.50	232.27	14.01	225.36	56.22	4.1774	-1.0421	239.38	-3727.23
45.00	225.05	9.41	222.02	36.78	4.3837	-0.7261	228.12	-2568.20