

25 to 45 kHz-B (Broadband)
 Transformed to 60 ohms minimum (B3)
 Ceramics wired in parallel

Power Rating:

- 1 kW @ 1% duty cycle
- CW⁽⁴⁾: 12W in M563

7 x 44.4 mm (1.7") PZT4

Active Area: 140.6 cm² (21.8 in²)

Radiating Surface: Urethane

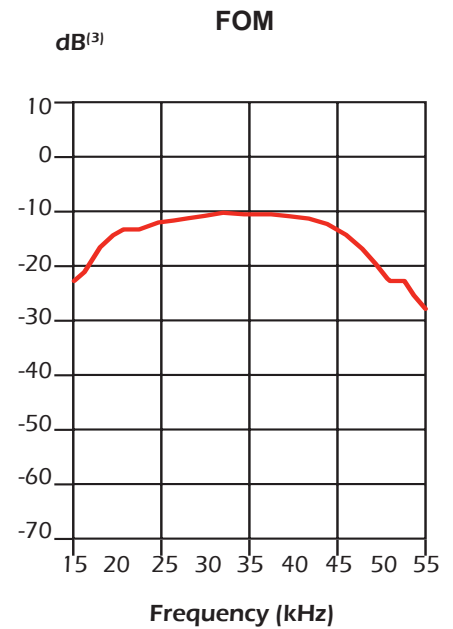
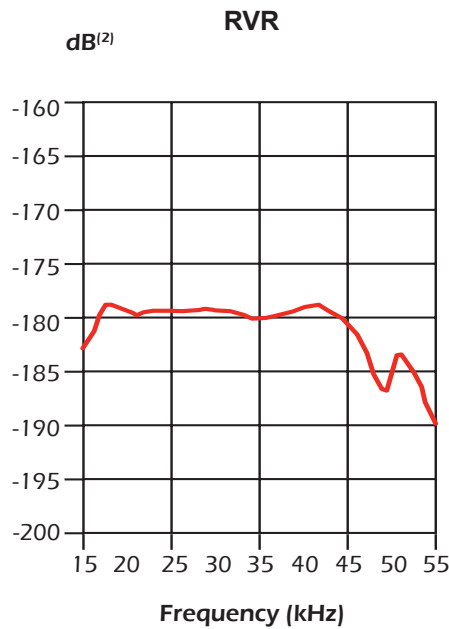
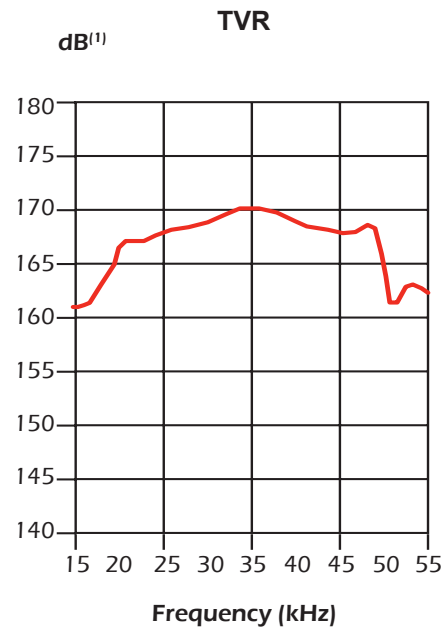
Q ≈ 2

Cable Type: C44-02

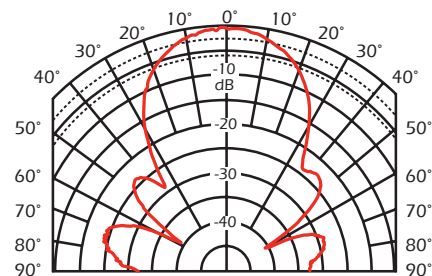
Cable Length: 10 m (33 ft)

Notes:

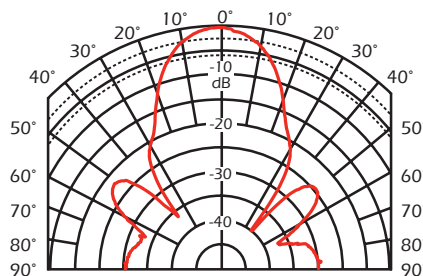
- (1) dB re 1 μPa per volt at 1 meter
- (2) dB re 1 volt per μPa
- (3) Sum of transmitting voltage response and receiving voltage response
- (4) CW Power ratings is for 20°C seawater temperature. Consult Airmar for different housing CW ratings.



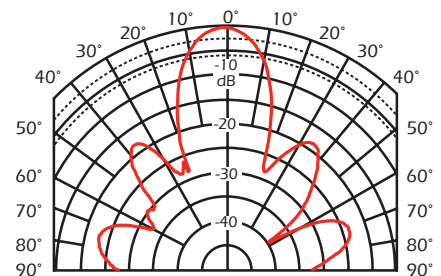
Transmit Radiation Pattern



Beamwidth	@ 25 kHz
-3 dB	24°
-6 dB	35°
-10 dB	45°



Beamwidth	@ 35 kHz
-3 dB	19°
-6 dB	26°
-10 dB	33°



Beamwidth	@ 45 kHz
-3 dB	14°
-6 dB	19°
-10 dB	24°

Technical Data Catalog

25 to 45 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)
10.00	16.39	86.99	0.86	16.37	3.20	-60.94	312.48	-969813.28
11.00	18.53	87.25	0.89	18.51	2.59	-53.91	386.78	-779954.91
12.00	20.87	87.41	0.94	20.85	2.16	-47.87	462.37	-634881.04
13.00	23.41	87.44	1.05	23.38	1.91	-42.68	524.24	-522529.37
15.00	29.62	87.35	1.37	29.59	1.56	-33.73	640.92	-357854.09
16.00	33.57	87.17	1.66	33.53	1.47	-29.75	679.60	-295970.30
17.00	38.49	86.75	2.18	38.43	1.47	-25.94	678.16	-242853.40
18.00	44.90	85.75	3.33	44.78	1.65	-22.21	605.69	-196371.50
20.00	65.99	78.17	13.53	64.59	3.11	-14.83	321.78	-118020.46
21.00	80.91	66.91	31.73	74.43	4.85	-11.37	206.30	-86167.46
22.00	87.64	49.07	57.41	66.21	7.48	-8.62	133.77	-62367.39
23.00	78.17	34.22	64.64	43.96	10.58	-7.19	94.54	-49778.52
25.00	58.31	30.41	50.29	29.52	14.79	-8.68	67.61	-55265.18
26.00	57.15	34.35	47.18	32.24	14.45	-9.87	69.22	-60437.85
27.00	60.15	37.44	47.76	36.57	13.20	-10.11	75.76	-59574.99
28.00	66.42	37.19	52.91	40.15	11.99	-9.10	83.38	-51729.17
30.00	78.67	25.49	71.01	33.86	11.47	-5.47	87.16	-29023.24
31.00	76.68	19.39	72.33	25.45	12.30	-4.33	81.29	-22226.55
32.00	74.65	14.99	72.11	19.31	12.94	-3.46	77.28	-17230.49
33.00	73.18	12.20	71.53	15.46	13.36	-2.89	74.87	-13926.30
35.00	68.36	5.70	68.02	6.79	14.56	-1.45	68.70	-6611.38
36.00	64.43	4.77	64.21	5.35	15.47	-1.29	64.66	-5701.87
37.00	62.25	4.59	62.05	4.99	16.01	-1.29	62.45	-5534.68
38.00	60.96	5.63	60.67	5.98	16.32	-1.61	61.26	-6739.93
40.00	59.61	10.49	58.61	10.85	16.50	-3.05	60.62	-12153.91
41.00	62.93	13.09	61.29	14.26	15.48	-3.60	64.61	-13973.12
42.00	67.80	15.49	65.34	18.11	14.21	-3.94	70.36	-14926.10
43.00	74.30	15.75	71.51	20.16	12.95	-3.65	77.20	-13517.55
45.00	92.23	9.02	91.09	14.47	10.71	-1.70	93.38	-6015.46
46.00	100.89	4.55	100.57	7.99	9.88	-0.79	101.21	-2717.60
47.00	109.72	-3.23	109.54	-6.17	9.10	0.51	109.89	1737.04
48.00	110.73	-13.39	107.72	-25.64	8.79	2.09	113.82	6932.55
50.00	102.64	-28.86	89.89	-49.54	8.53	4.70	117.19	14968.74
51.00	91.60	-35.58	74.49	-53.30	8.88	6.35	112.63	19825.15
52.00	78.85	-39.43	60.90	-50.09	9.80	8.06	102.09	24655.30
53.00	63.79	-38.56	49.88	-39.76	12.26	9.77	81.57	29343.21
55.00	75.46	9.45	74.43	12.39	13.07	-2.18	76.49	-6298.48
56.00	158.69	-9.27	156.62	-25.57	6.22	1.02	160.79	2885.96
57.00	152.65	-44.83	108.26	-107.62	4.65	4.62	215.24	12895.09
58.00	122.05	-59.78	61.42	-105.47	4.12	7.08	242.52	19428.28
60.00	86.51	-73.53	24.52	-82.96	3.28	11.08	305.20	29403.65