

## The transducer choice of leading marine electronics manufacturers



M74

### The Broadband Advantage

Airmar's commitment to innovative technology continues with broadband transducers with low Q and very good sensitivity. This enables users to perform accurate surveys with higher resolution. These transducers can also be "chirped" with a longer pulse over a wide-frequency band. Users with adjustable frequency echosounders will be able to regulate the operating frequency and tailor the beam width to specific survey conditions. Best of all, these remarkable transducers are competitively priced when compared with similar performing transducers constructed with 1-3 piezocomposite.

- **Broadband with low Q**
- **Side lobes minimized**
- **Energy concentrated on target means excellent resolution**
- **Internal transformer provides impedance match to echosounder for optimal system performance**
- **Many standard designs or designed to your specifications**



M42



# Broadband Transducers

## Technical Information

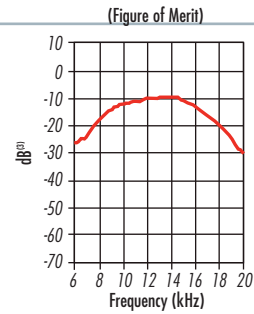
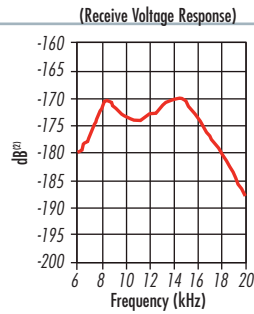
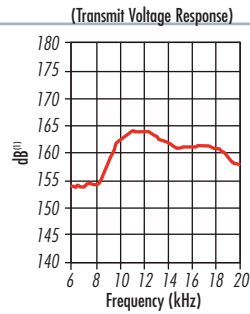
# Low-Frequency

### 9 kHz to 18 kHz

Array:  $\phi$  2.5" x 13

$Q_f = 2.2$

Nominal Impedance: 80  $\Omega$  (transformed)

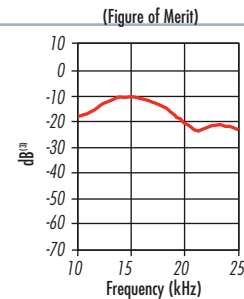
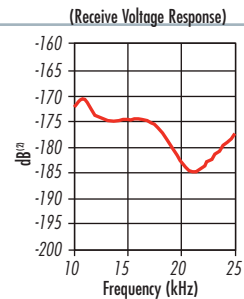
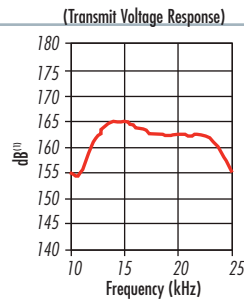


### 13 kHz to 22 kHz

Array:  $\phi$  2.5" x 13

$Q_f = 1.7$

Nominal Impedance: 80  $\Omega$  (transformed)

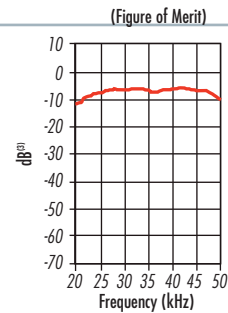
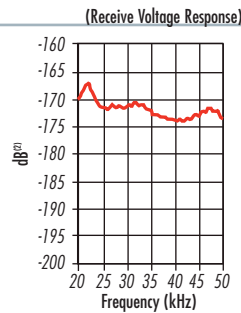
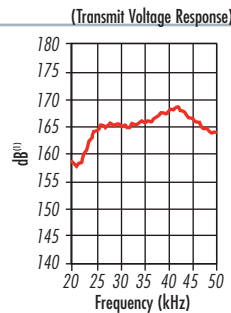


### 25 kHz to 45 kHz

Array:  $\phi$  1.75" x 15

$Q_f = 2.3$

Nominal Impedance: 170  $\Omega$  (transformed)

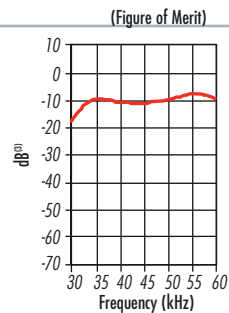
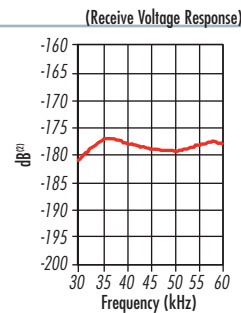
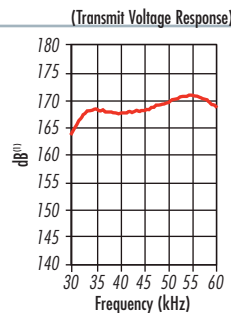


### 33 kHz to 60 kHz

Array:  $\phi$  1.38" x 24

$Q_f = 2.0$

Nominal Impedance: 145  $\Omega$  (not transformed)



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As Airmar constantly improves its products, all specifications are subject to change without notice. All Airmar products are designed to provide high levels of accuracy and reliability; however, they should only be used as aids to navigation and not as a replacement for traditional navigation aids and techniques.