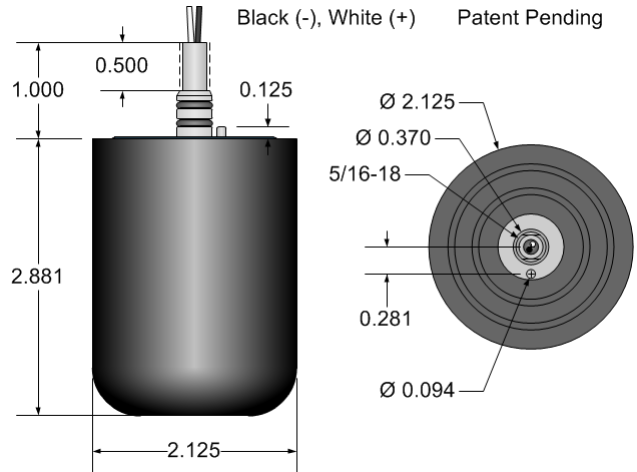


Model BT-25UF

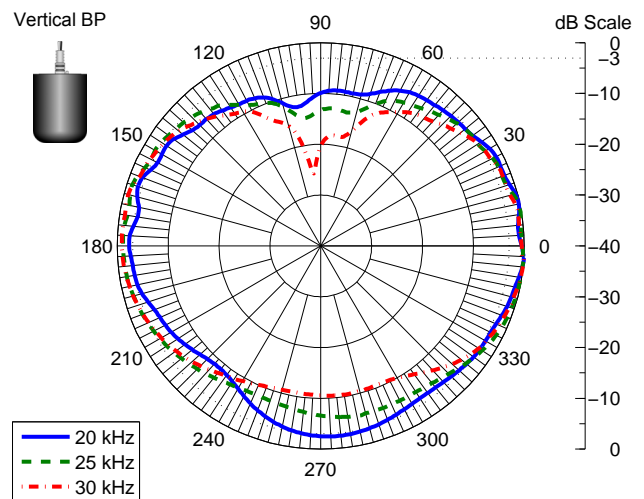
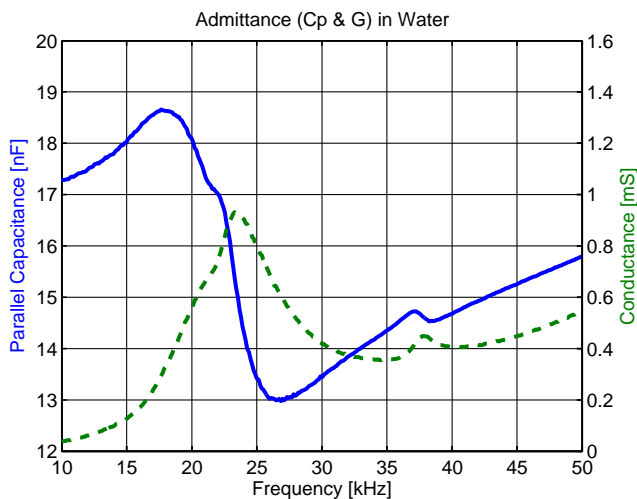
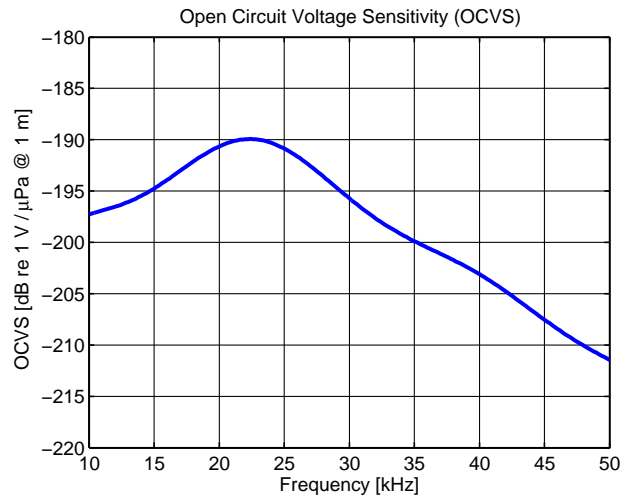
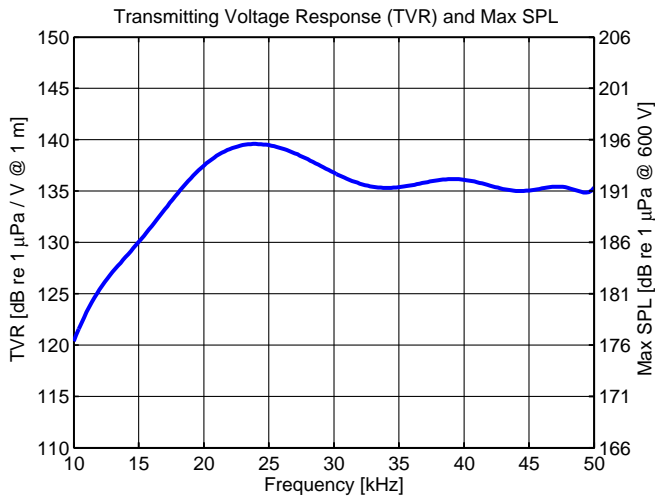
BTech's Model BT-25UF transducer is a proven standard for underwater acoustic communication (AComms).

Specifications (Nominal):

- Resonance Frequency (f_r): 24 kHz
- Coupling Coefficient (k_{eff}): 0.33
- TVR at f_r : 140 dB re 1 $\mu\text{Pa}/\text{V}$
- SPL (max) at f_r (@ 1 m): 196 dB re 1 μPa
- OCVS at f_r : -190 dB re 1 $\text{V}/\mu\text{Pa}$
- Horizontal Beam Pattern: Omnidirectional
- Vertical Beam Pattern: Toroidal
- Depth (max): 700 m
- Voltage (max): 600 Vrms
- Weight (in air, in water): 290 g (a), 116 g (w)

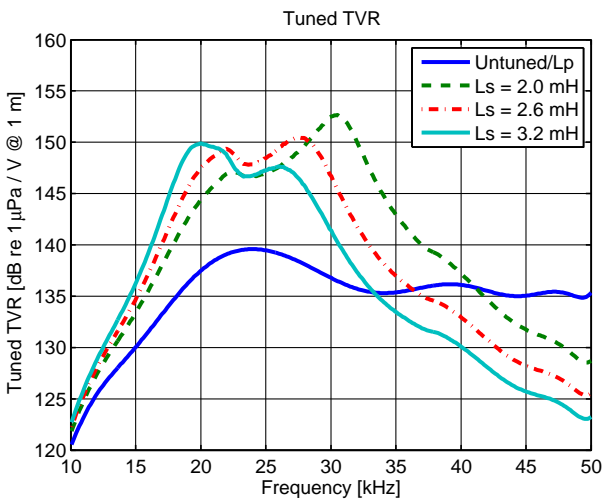
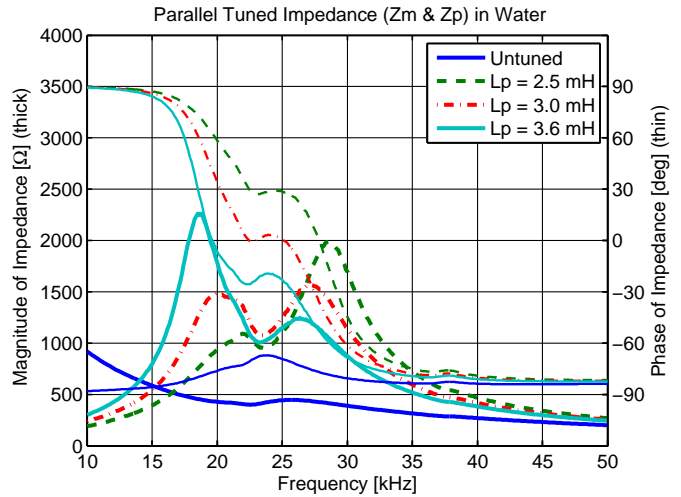
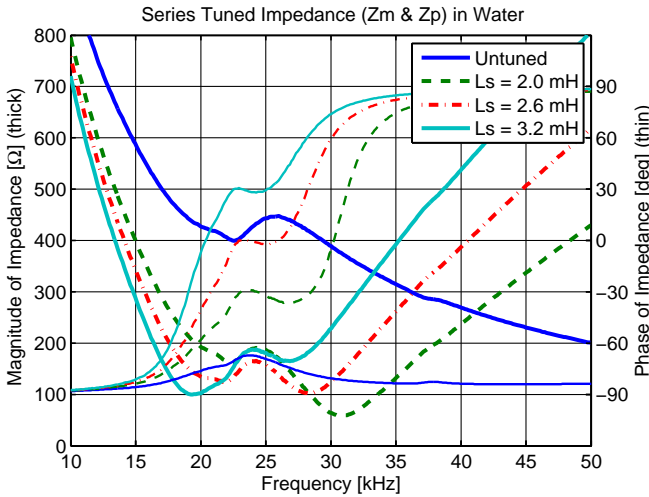
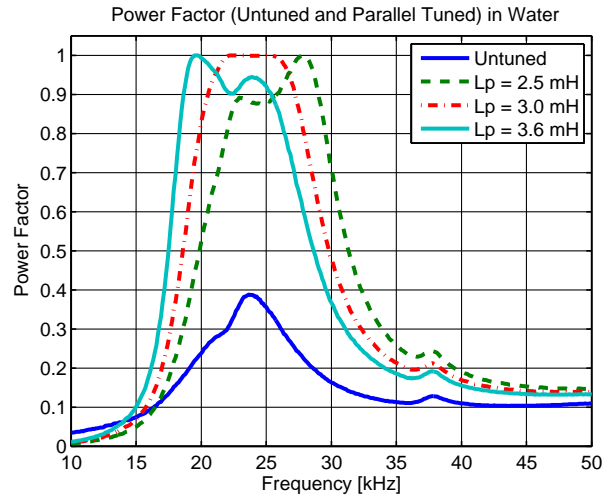
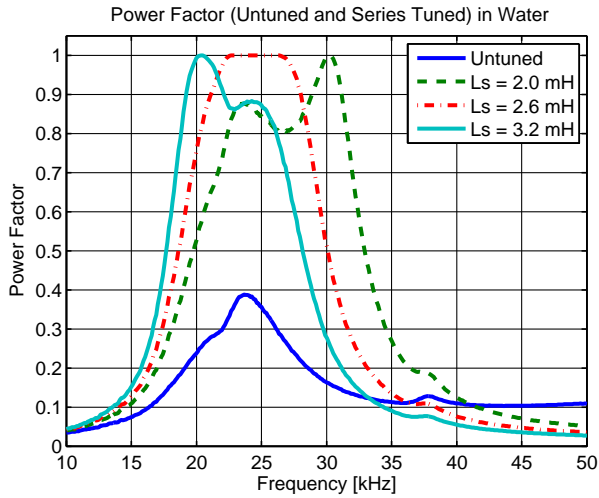


Performance Curves (Nominal):



Model BT-25UF

Tuned Performance Curves (Nominal):



Tuning and Matching is required for highly effective power delivery to the transducer. The impact on system performance for several values of series and parallel inductive tuning elements are provided.

BTech has extensive modeling capabilities to optimize any system configuration for greater bandwidth and efficiency.

Contact us for customizable features, such as connector style, increased depth rating, and more...