

ACOMMs

Compact High Bandwidth



MSI's family of low-cost ACOMMs solutions pushes the boundaries of the product market with unmatched bandwidth for transmit and receive while retaining a compact profile. MSI's standard products are acoustically designed for a broad array of applications and can also be customized to meet more specific requirements..

Product Integration

- Wet-mate connectors
- MSI® Stem interface
- Molded integration for hydrodynamics



Low-cost



Transmit and Receive



High Bandwidth



Scalable



System Integrated

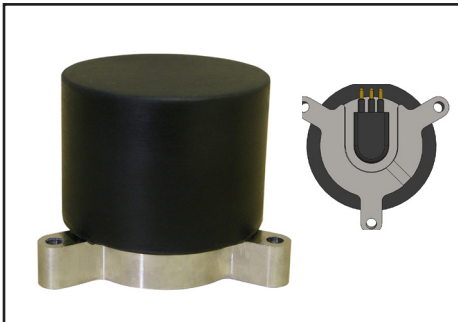


High or Low Volume

Low-Cost Models

LF-RHP

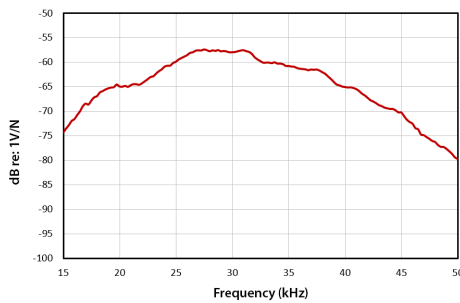
Low-frequency, High Power



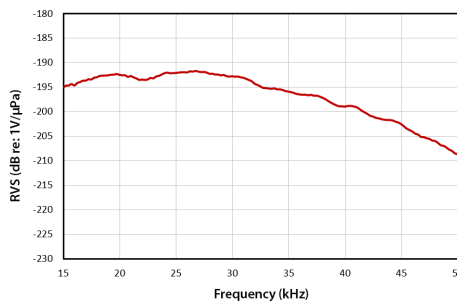
Specifications

Model #	LF-RHP
Bandwidth (-6 dB)	23 - 50 kHz (80%)
TVR	135 dB
Source Level (max)	190 dB
Horizontal Beamwidth	Omni
Vertical Beamwidth	80 deg
Depth Rating	6000 M
Duty Cycle	100%
Dimensions	2" Ø x 2" H

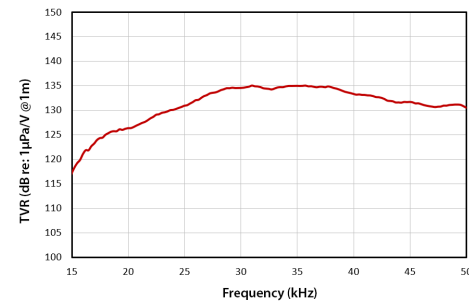
Round-Trip



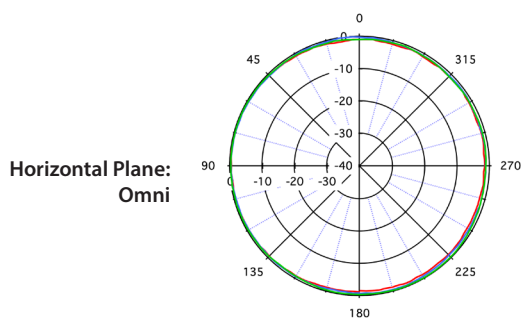
RVS



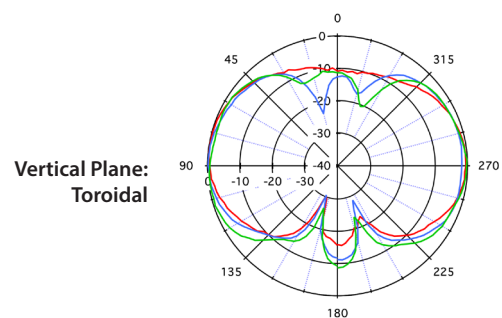
TVR



Beamwidth: Horizontal



Beamwidth: Vertical



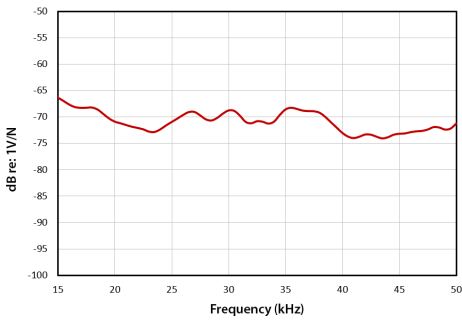
LF-RHW

Low-frequency, High Bandwidth

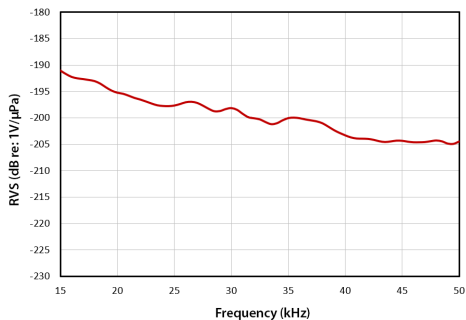


Specifications	
Model #	LF-RHW
Bandwidth (-6 dB)	20 - 50 kHz (95%)
TVR	130 dB
Source Level (max)	185 dB
Horizontal Beamwidth	Omni
Vertical Beamwidth	80 deg
Depth Rating	6000 M
Duty Cycle	100%
Dimensions	3.5" Ø x 2" H

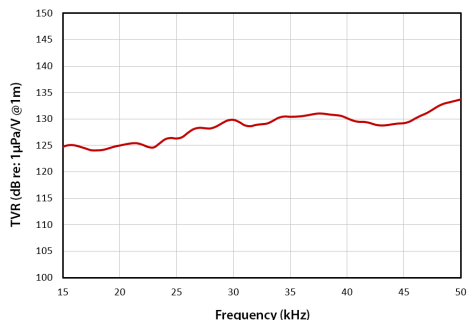
Round-Trip



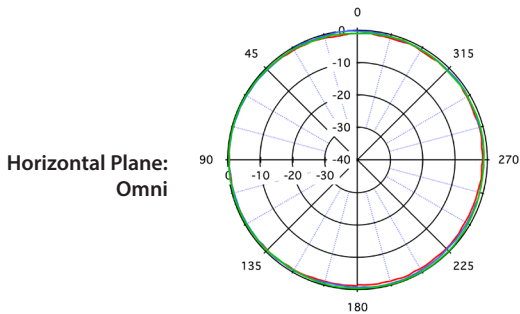
RVS



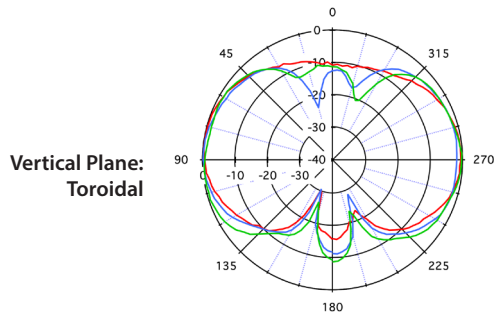
TVR



Beamwidth: Horizontal



Beamwidth: Vertical



DESIGN • PROTOTYPE • LOW VOLUME PRODUCTION • HIGH VOLUME PRODUCTION • ACOUSTIC IN-WATER TESTING

About MSI

MSI Transducers specializes in custom transducers and arrays for both commercial and defense markets. MSI's broad design and manufacturing capabilities has enabled us to build everything from state-of-the-art synthetic aperture sonars...to low cost commercial arrays. MSI is here to help you turn your idea into a design, or manufacture your build to print product, in piezocomposite, solid ceramic, or any other material to meet your performance needs.

MSI has a staff of experienced design engineers ready to help you with your transducer design. Our process of engaging our team early in the design process allows customers to maximize performance capabilities while also minimizing the total cost.

MSI's manufacturing capabilities are designed to assure you receive the highest quality products. Our advanced manufacturing and testing capabilities allow us to turn raw materials into finished assemblies that are ready for system integration.

Whether you need a custom designed product or just looking for a source to build your existing design, MSI is the right choice.

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