General purpose hydrophone
H505L

SPECIFICATIONS

Output sensitivity: $-160 \text{ dB re } 1\text{V}/\text{µPa}$
Amplifier gain: $10 \text{ dB}$

Typical spectrum noise:

<table>
<thead>
<tr>
<th>Frequency</th>
<th>at 10 Hz</th>
<th>54 dB re $1\text{µPa}/\sqrt{\text{Hz}}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>at 100 Hz</td>
<td>34 dB re $1\text{µPa}/\sqrt{\text{Hz}}$</td>
<td></td>
</tr>
<tr>
<td>at 1 kHz</td>
<td>15 dB re $1\text{µPa}/\sqrt{\text{Hz}}$</td>
<td></td>
</tr>
<tr>
<td>at 10 kHz</td>
<td>6 dB re $1\text{µPa}/\sqrt{\text{Hz}}$</td>
<td></td>
</tr>
</tbody>
</table>

Frequency response:

<table>
<thead>
<tr>
<th>Frequency</th>
<th>±3 dB</th>
<th>2.0 - 10,000 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omnidirectional</td>
<td>2.0 - 5,000 Hz</td>
<td></td>
</tr>
</tbody>
</table>

Maximum operating depth: 250 meters
Maximum temperature: $+80^\circ\text{C}$
Output impedance: $200 \text{ Ω}$
Supply voltage: $24 \text{ VDC}$
Current, max: $10 \text{ mA}$
Bias output voltage, nominal: $10 \text{ V}$

Cable:

- J95, 5-conductor shielded, 0.25” dia.

Jacket material: polyurethane

Notes:

1. Cable length specified by customer at time of order.

Available underwater connectors: R12 (Brantner RMK-6-MP); R13 (Brantner AWM-6-MP)
Available locking rings: LP = plastic locking sleeve for R12 or R13; LS = stainless steel locking sleeve for R12 or R13

Key features

- Ultra low noise internal amplifier
- Designed for a wide variety of underwater acoustic measurements
- Manufactured in ISO 9001 facility

Export classification: ECCN 6A001