Bl Series Microphones

Product Features

- Piezo-ceramic Microphone
- High Sensitivity
- Flat and Band-pass Frequency Response
- High Resistance to Mechanical Shock
- Three Package Options
- Used in Sound Level Meters
- Used as a Low Cost Reference Microphone

The BL series microphones are rugged, stable, and versatile. BL microphones are available in three different package sizes: standard, thin, or ½ inch cylindrical shell and cable assembly.

Both communication and broadband frequency response versions are offered. In addition, BL microphones have high vibration sensitivity, and may be used as accelerometers.
The information contained in this literature is based on our experience to date and is believed to be reliable and subject to change without notice. It is intended as a guide for use by persons having technical skill at their own discretion and risk. We do not guarantee favorable results or assume any liability in connection with its use. Dimensions contained herein are for reference purposes only. For specific dimensional requirements consult factory. This publication is not to be taken as a license to operate under, or recommendation to infringe any existing patents. This supersedes and voids all previous literature.

**Element Outline Drawings**

**Thick Case**

**OKn Signal Port Location**

Model BL-1670

**Thin Case**

**12S Signal Port Location**

Models BL-1681, BL-1785

**Test Condition**

**Standard**

**Source Follower**

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Cylindrical Outline Drawings

Cylindrical Package with Flying Leads
Model BL-3497
Nominal weight 13 grams

Cylindrical Package with Cable
Model BL-1994
Nominal weight 27 grams

![Cylindrical Package with Flying Leads](image1)

![Cylindrical Package with Cable](image2)
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**Model Chart**

<table>
<thead>
<tr>
<th>Model</th>
<th>Outline Drawing + Response (Legend)</th>
<th>Test Circuit</th>
<th>DC Supply Voltage</th>
<th>Output Impedance (ohms)</th>
<th>Amplifier Current Drain (µA max.)</th>
<th>“A” Weighted Noise (1kHz equivalent SPL) db SPL max</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL-1670</td>
<td>Thick Case OKn</td>
<td>Standard</td>
<td>1.3</td>
<td>8000</td>
<td>13000</td>
<td>22000</td>
</tr>
<tr>
<td>BL-1671</td>
<td>Thick Case 12S</td>
<td>Standard</td>
<td>1.3</td>
<td>8000</td>
<td>13000</td>
<td>22000</td>
</tr>
<tr>
<td>BL-1681</td>
<td>Thin Case 12S</td>
<td>Standard</td>
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<tr>
<td>BL-1785</td>
<td>Thin Case 12S</td>
<td>Source Follower</td>
<td>3</td>
<td>--</td>
<td>4000</td>
<td>--</td>
</tr>
<tr>
<td>BL-1994</td>
<td>Cylinder w/cable</td>
<td>Source Follower</td>
<td>3</td>
<td>--</td>
<td>4000</td>
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</tr>
</tbody>
</table>

**Frequency Response**

![Frequency Response Graph](image-url)