



PUIaudio

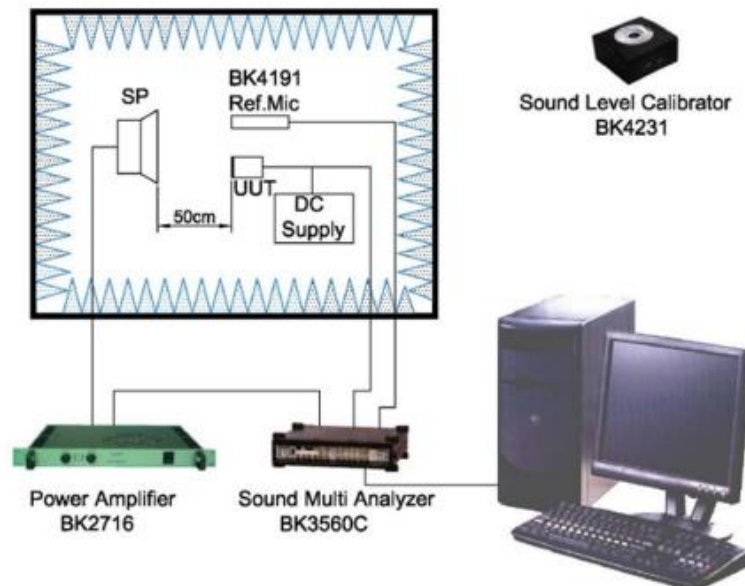
Data Sheet

POW-3535L-3-LW100-B-R

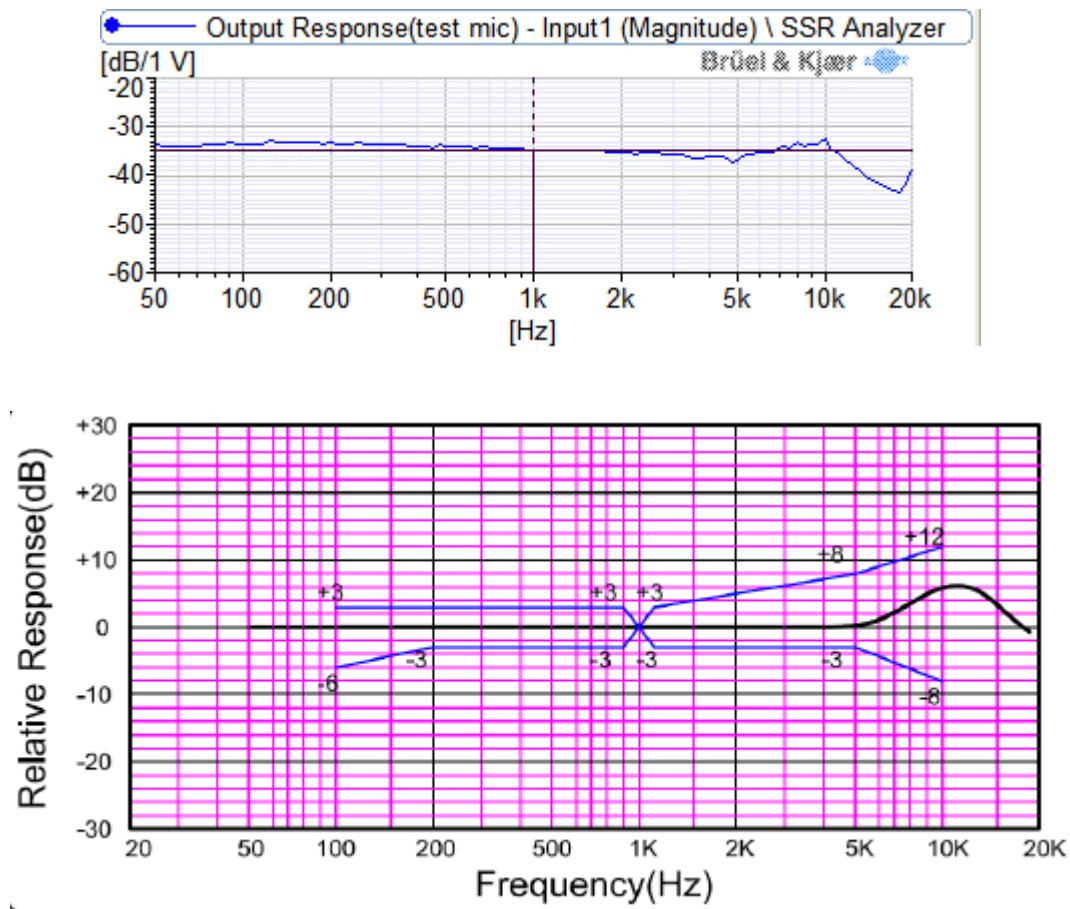
Specifications

Parameters	Values	Units
Sensitivity (1 kHz @ 50cm) 0 dB=1V/Pa	-35 ± 4	dB
Rated Voltage	2	VDC
Operating Voltage Range	2 ~ 10	VDC
Output Impedance (@ 1 kHz)	2.2	kΩ
Current consumption	500	μA
Signal-to-Noise Ratio (1kHz, 94 dB input, A-weighted)	>68	dB
Frequency Range	50 ~ 16,000	Hz
Maximum SPL Input (THD<3%) Acoustic Overload Point	110	dB
Directivity	Omni-Directional	-
Environmental Compliances	RoHS/REACH	-
Operating Temperature	-20 ~ 70	°C
Storage Temperature	-30 ~ 80	°C
Weight		Grams

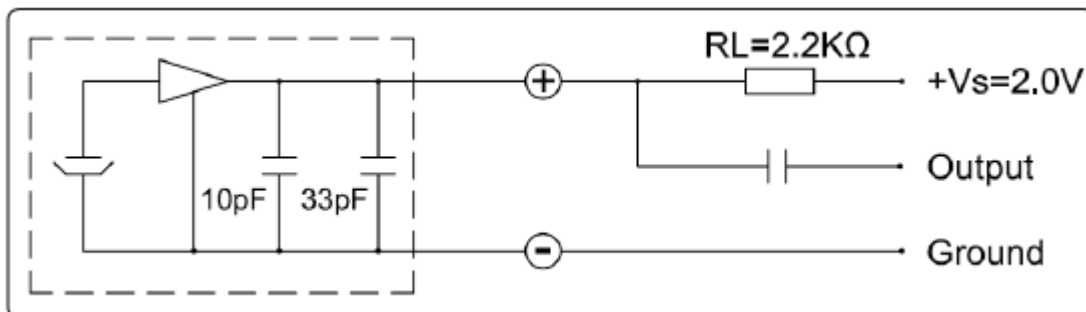
Measurement Method (in Anechoic Chamber)



Typical Frequency Response



Recommended Drive Circuit



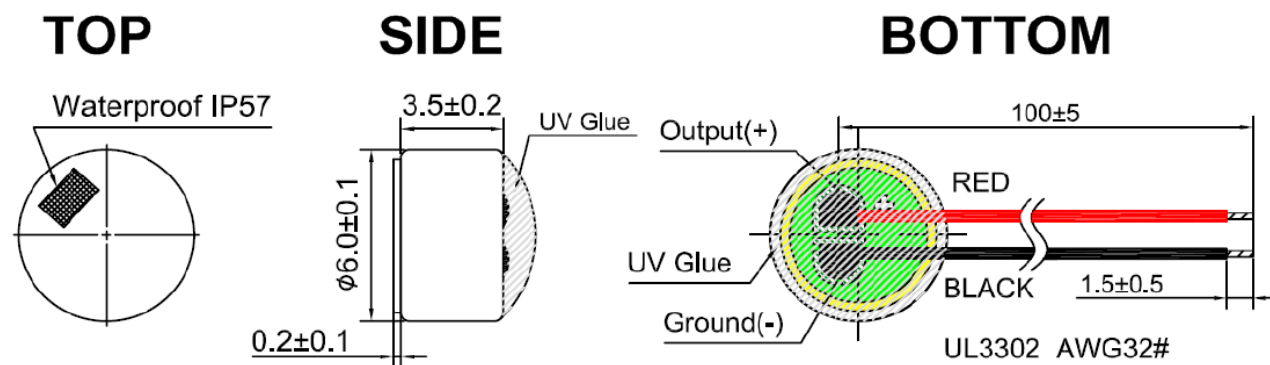
Microphone Handling Precautions

High temperature and/or static electricity may damage microphones. To ensure careful handling, we suggest following these precautions:

- Ensure the power rating of the soldering iron is below 90 watts
- The temperature of the soldering iron must be limited to $360^{\circ}\text{C} \pm 10^{\circ}\text{C}$ ($680^{\circ}\text{F} \pm 50^{\circ}\text{F}$)
- Soldering duration for each terminal shall be at or under 2 seconds
- If practical, use a metal fixture to hold the microphone in-place and to act as a heatsink. A fixture should have appropriate diameter holes drilled through the entire fixture to prevent pressure from being placed on the diaphragm (as below)

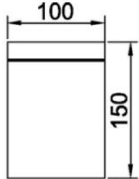
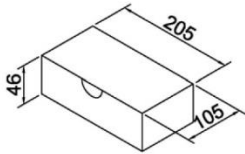
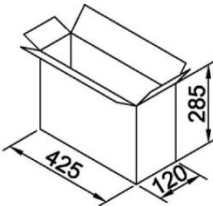
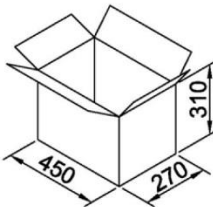


Dimensions



Packaging

POW-3535L-3-LW100-B-R packing information

	Drawing	Qty (pcs.)	Size(mm) L × W × H	Material
Packing		100	150 × 100	Polythene
Inner Package		600 (6 × 100)	205 × 105 × 46	Paper
Middle Package		6000 (10 × 600)	425 × 120 × 285	Paper
Outer Package		12000 (2 × 6000)	450 × 270 × 310	Paper

Specifications Revisions

Revision	Description	Date
A	Released from Engineering	1/13/16

Note:

- Unless otherwise specified:
 - All dimensions are in millimeters.
 - Default tolerances are $\pm 0.5\text{mm}$ and angles are $\pm 3^\circ$.
- Specifications subject to change or withdrawal without notice.