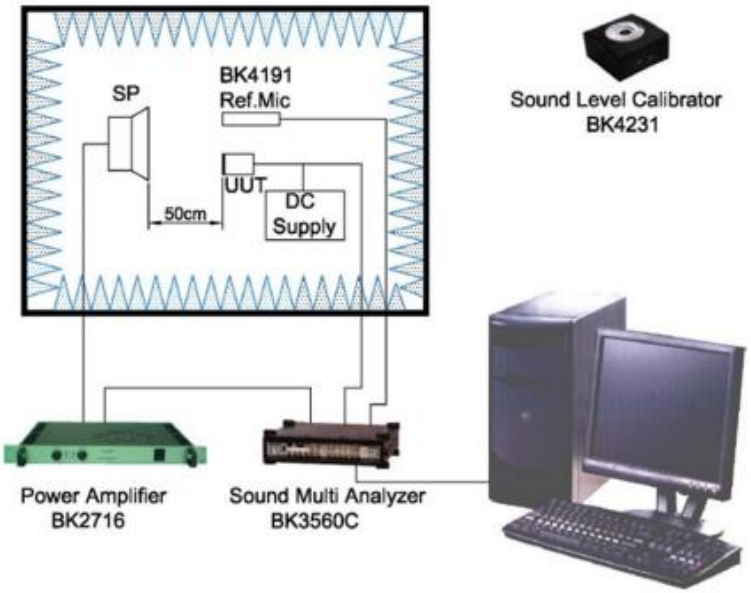
Data Sheet	POW-3535L-3-LW100-B-R

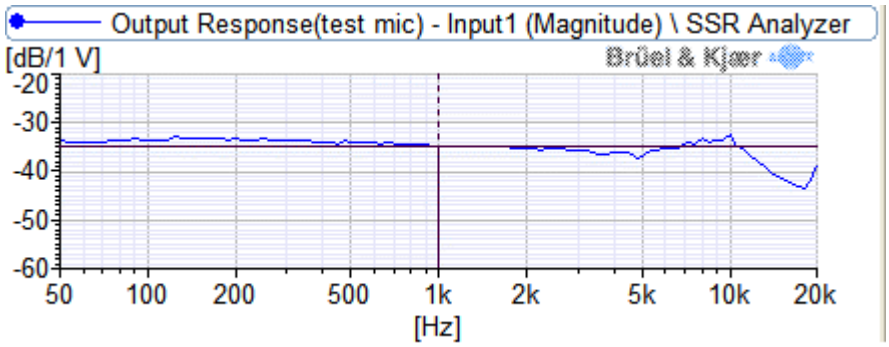
Specifications

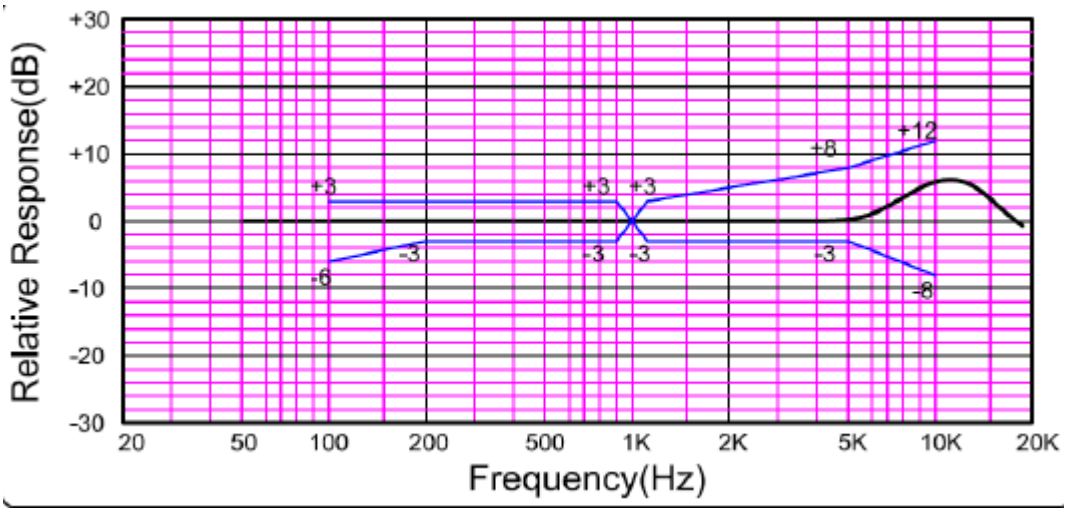
Parameters	Values	Units
Sensitivity (1 kHz @ 50cm) 0 dB=1V/Pa	-35 ± 4	dB
Rated Voltage	2	VDC
Operating Voltage Range	2 ~ 10	VDC
Output Impedance (@ 1 kHz)	2.2	kΩ
Current consumption	500	µA
Signal-to-Noise Ratio (1kHz, 94 dB input, A-weighted)	>68	dB
Frequency Range	50 ~ 16,000	Hz
Maximum SPL Input (THD<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)

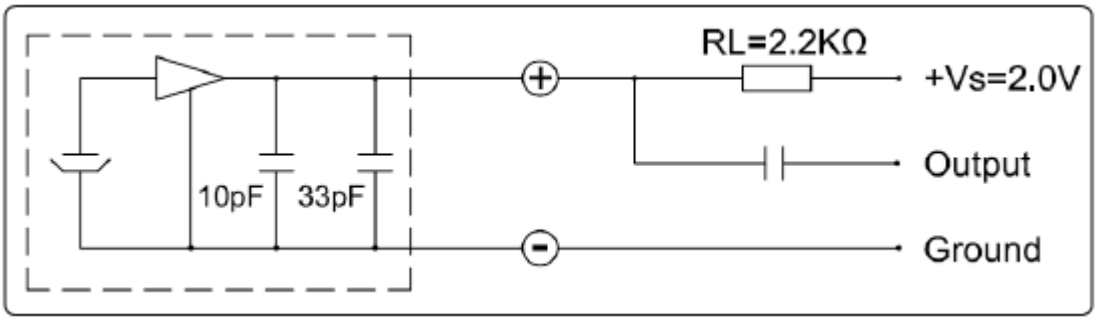


Typical Frequency Response





Recommended Drive Circuit

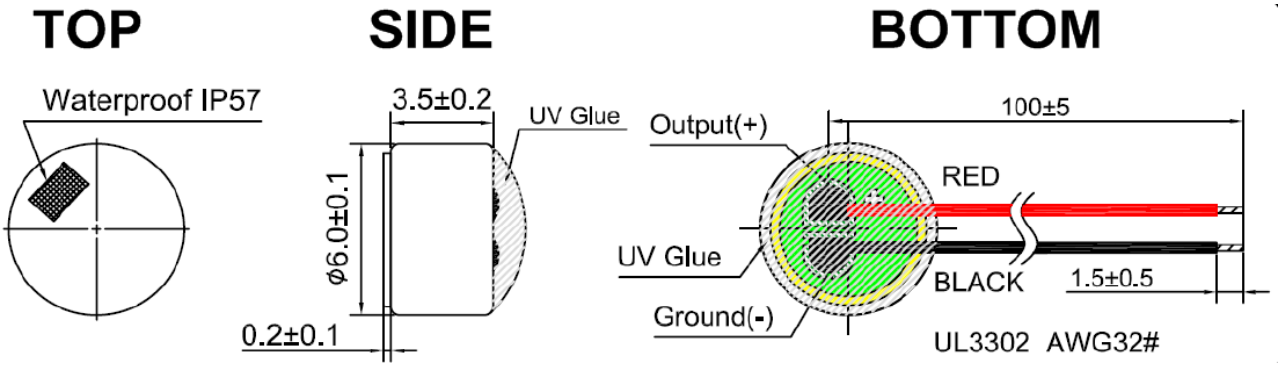


Microphone Handling Precautions

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

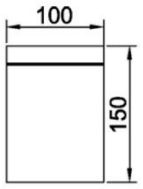
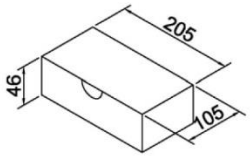
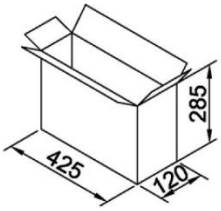
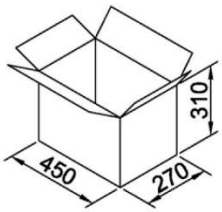
- Ensure the power rating of the soldering iron is below 90 watts
- The temperature of the soldering iron must be limited to 360°C ±10°C (680°F ±50°F)
- Soldering duration for each terminal shall be at or under 2 seconds
- If practical, use a metal fixture to hold the microphone in-place and to act as 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:

1. Unless otherwise specified:
   A. All dimensions are in millimeters.
   B. Default tolerances are ±0.5mm and angles are ±3°.
2. Specifications subject to change or withdrawal without notice.