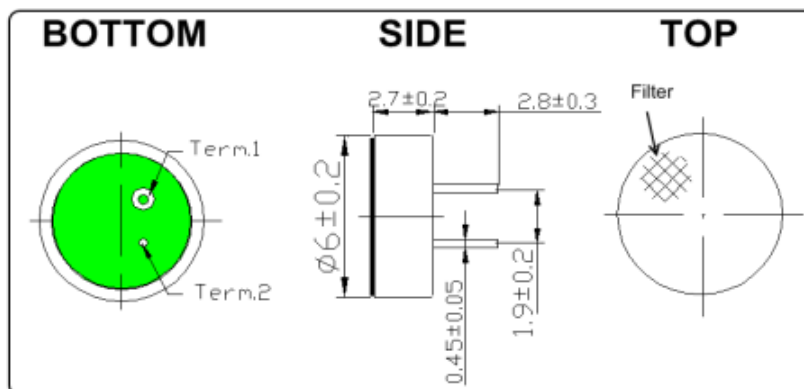


1. SPECIFICATIONS

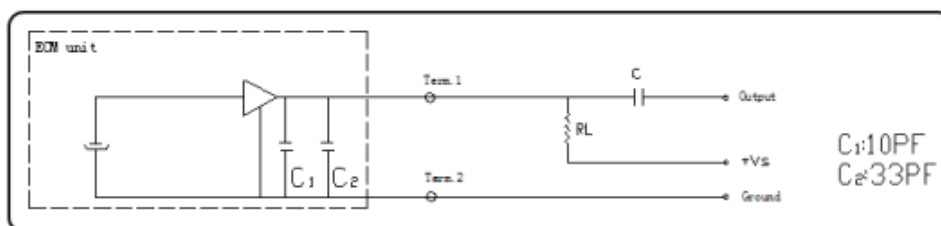
PARAMETERS	VALUES	UNITS
DIRECTIVITY	Omni-Directional	-
SENSITIVITY (0 dB = 1 V/pa AT 1 KHz)	-42 ± 3	dB
IMPEDANCE	Low Impedance	-
FREQUENCY RANGE	50 - 16,000	Hz
MAX OPERATING VOLTAGE	10	V
STANDARD OPERATION VOLTAGE (Vs)	2	V
RESISTANCE LOADING (RL)	2.2k	Ohm
MAX CURRENT CONSUMPTION	0.5	mA
S/N RATIO	>60	dB
MAX INPUT SPL (THD<3%)	110	dB
OPERATING TEMPERATURE	-20 to +60	°C
STORAGE TEMPERATURE	-25 to +70	°C

2. DIMENSIONS (unit in mm)



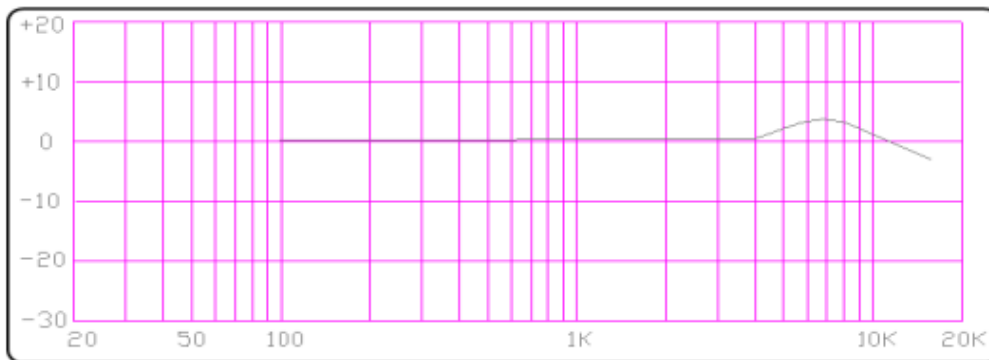
Tolerance: ±0.5mm except specified

3. DRIVING CIRCUIT



Designed by	MZ	02.03.2016	Dimensions without tolerance ±0.5mm	Index: 00	Current date
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4. TYPICAL FREQUENCY RESPONSE



5. RELIABILITY TEST

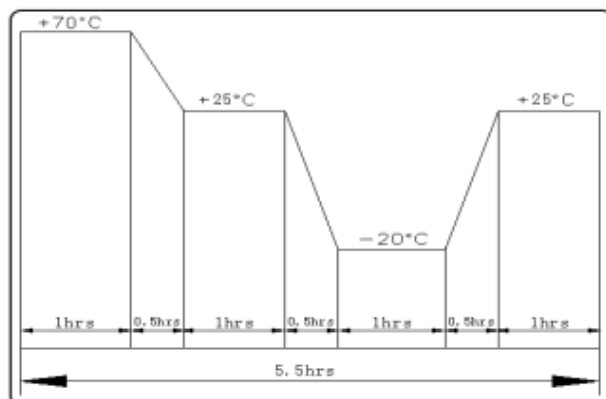
After any tests, the sensitivity to be within $\pm 3\text{dB}$ of initial sensitivity after 6 hours of conditioning at $+25^\circ\text{C}$

1) Temperature Test

- After being placed in a chamber at $+70^\circ\text{C}$ for 72 hours.
- After being placed in a chamber at -25°C for 72 hours.

2) Temperature Cycle Test

The part shall be subjected to 10 cycles. One cycle shall consist of:



3) Humidity Test

After being placed in a chamber at $+60^\circ\text{C}$ and $90\pm 5\%$ relative humidity for 240 hours.

4) Vibration Test

The part shall be measured after being applied vibration of amplitude of 1.5mm with 10 to 55hz band of vibration frequency to each of 3 per-pendicular directions for 2 hours.

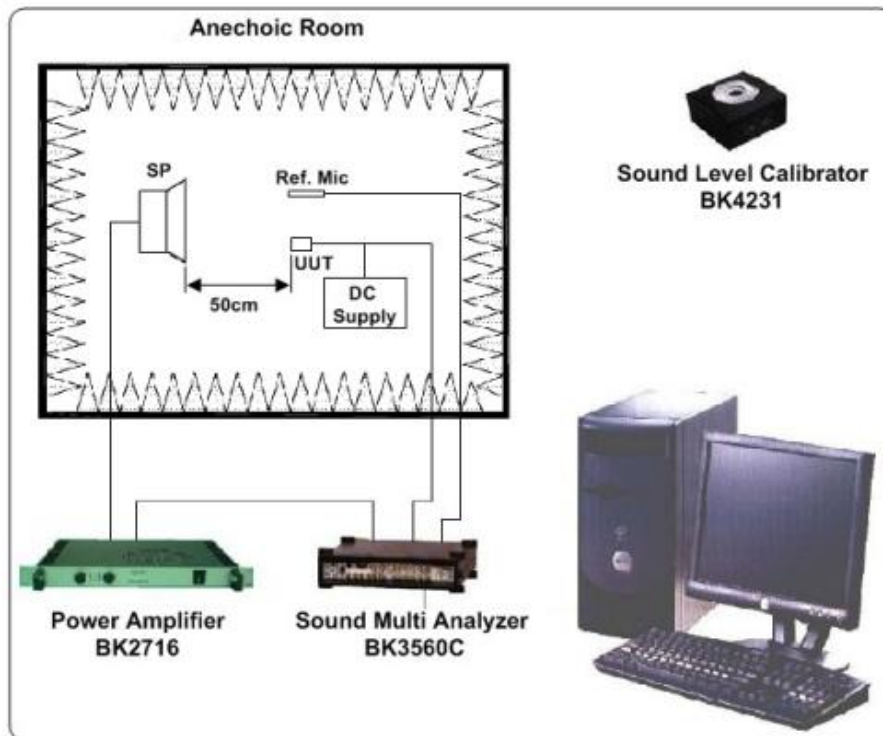
5) Drop Test

The microphone unit without packaged must be subjected to each 3 drops at three axes from the height of 1 meter to 20mm thick wooden board.

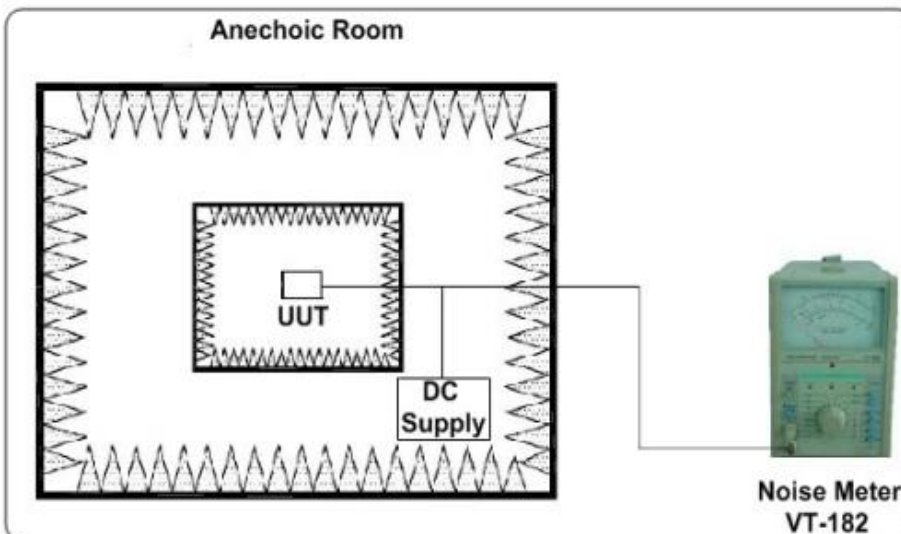
Designed by	MZ	02.03.2016	Dimensions without tolerance $\pm 0.5\text{mm}$	Index: 00	Current date
Released by	CB	02.03.2016	Drawing number	160302.1MSO	02.03.2016
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6. MEASUREMENT SYSTEM:

1) Standard Frequency Response Test



2) S/N Ratio Test



Revision Table

Index Nr.	Date Reason - Procedure Change description	Drawing Date	implementation	Comments
			LS-Nr.: Date	

Designed by	MZ	02.03.2016	Dimensions without tolerance ±0.5mm	Index: 00	Current date
Released by	CB	02.03.2016	Drawing number 160302.1MSO	02.03.2016	
Changed by				Page 3 of 3	