

## General Description

Ø4.0mm x 1.5mm, Wired Microphone

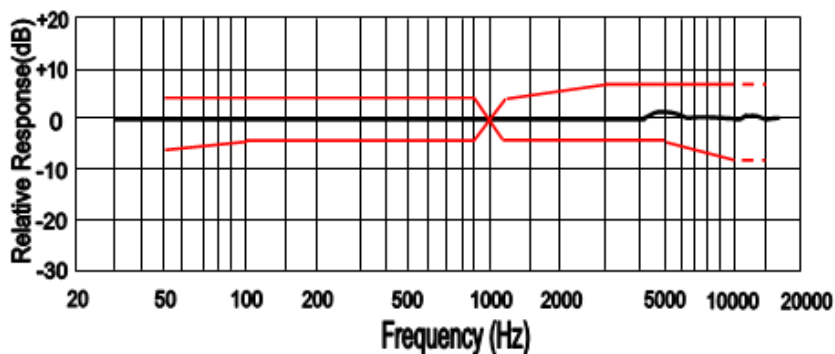


## ELECTRICAL SPECIFICATIONS

Parameters		Value			Unit
		min	center	max	
Sensitivity	@ 0dB=1V/Pa, @ 1kHz	-41	-38	-35	dB
Current Consumption	@ Vcc =2.0V,RL=2.2kΩ			500	μA
Output Impedance	@ f=1kHz			2.2	kΩ
Decreasing Voltage	@ Vcc=3.0V ~ 2.0V			-3	dB
Signal to Noise Ratio	@ 1kHz S.P.L=1Pa (A-Weighted Curve)	62			dB
Operating Voltage		1.0		10	V
Input S.P.L, max	@ <1% @1 KHz			108	dB
Acoustic Over Load point	@ 10% THD@1KHz		120		dB SPL
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C

## FREQUENCY CHARACTERISTICS

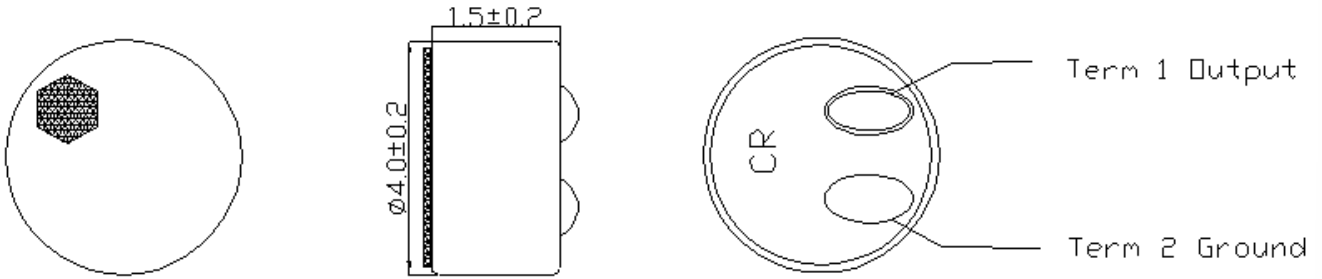
Frequency Response



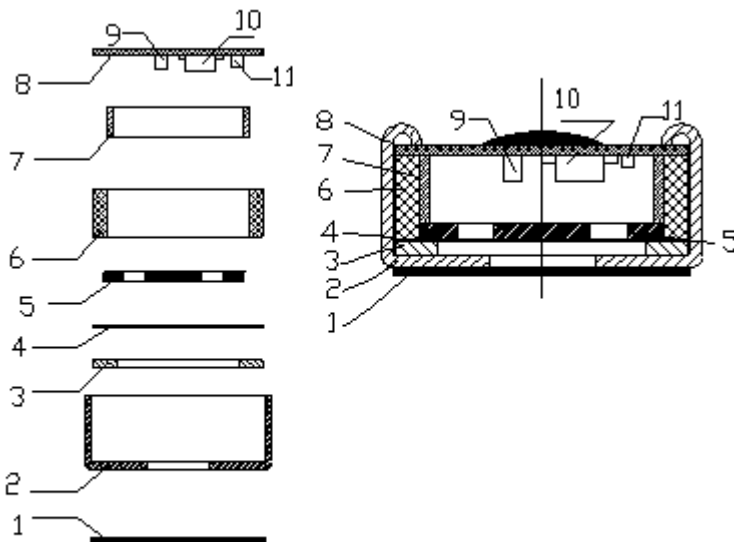
Microphone Response Tolerance Window

Frequency (Hz)	Lower Limit(dB)	Upper Limit(dB)
50	-6	+3
100	-3	+3
800	-3	+3
1000	0	0
1200	-3	+3
3000	-3	+8
5000	-3	+8
10000	-8	+8

**DIMENSIONS AND MATERIAL/STRUCTURE**

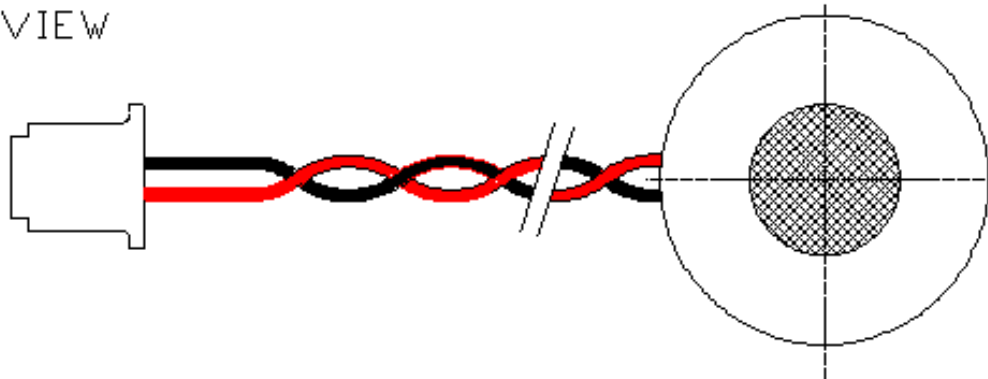


Unit: mm

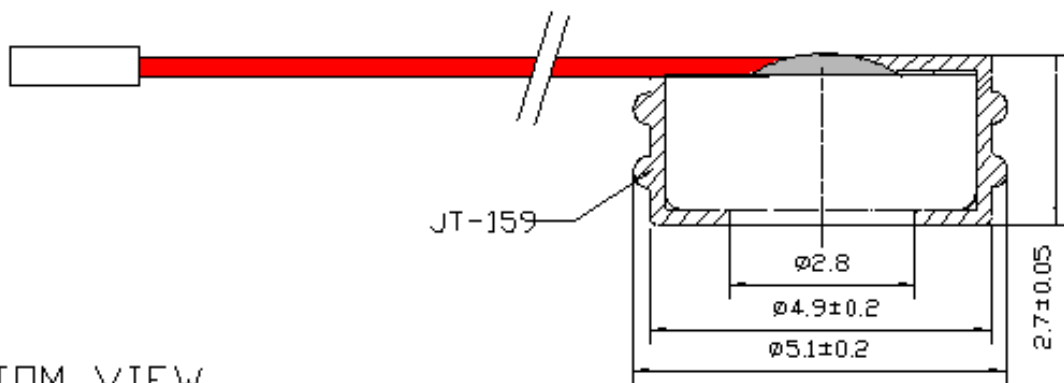


11	Resistance		1
10	FET		1
9	Chip capacitance		1
8	P.C.B		1
7	Copper Ring		1
6	Chamber		1
5	Electro Back		1
4	Spacer		1
3	Polarized Diaphragm		1
2	Case		1
1.	Felt		1
No.	Name	Material	QTY

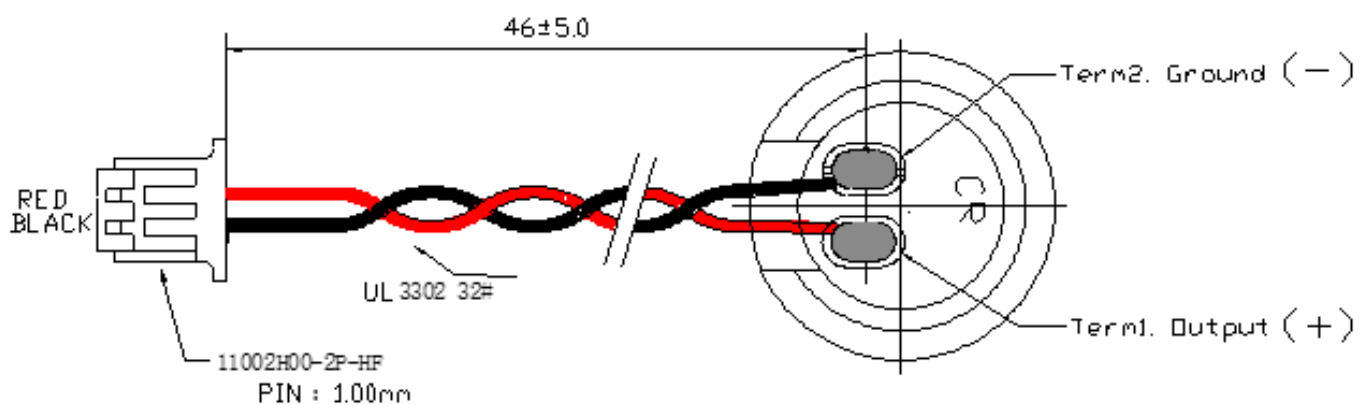
TOP VIEW



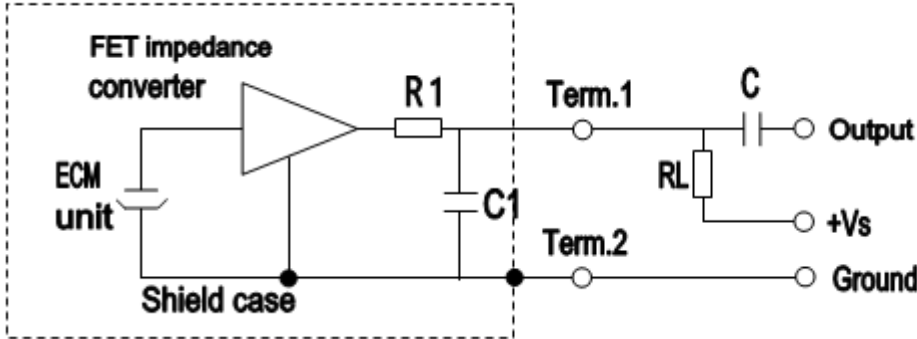
SIDE VIEW



BOTTOM VIEW

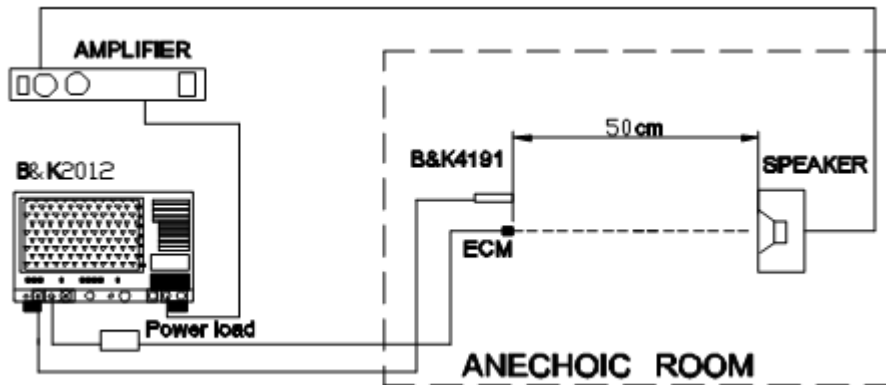


## MEASUREMENT CIRCUIT



$R_L = 2.2K\Omega$
$V_S = 2.0V$
$R1 = 330\Omega$
$C1 = 10NF$
$C = 1\mu F$

## MEASUREMENT SETUP DRAWING



## APPROVAL

DRAWN BY	AR, July 30, 2024
APPROVED BY	CP, July 30, 2024
REVISION	A, Initial Release



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