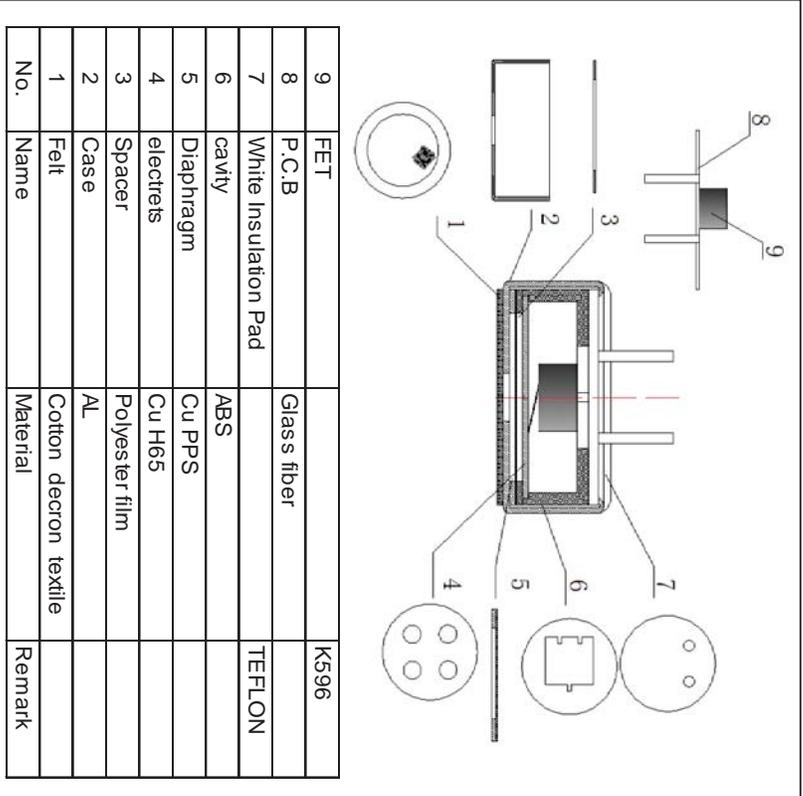
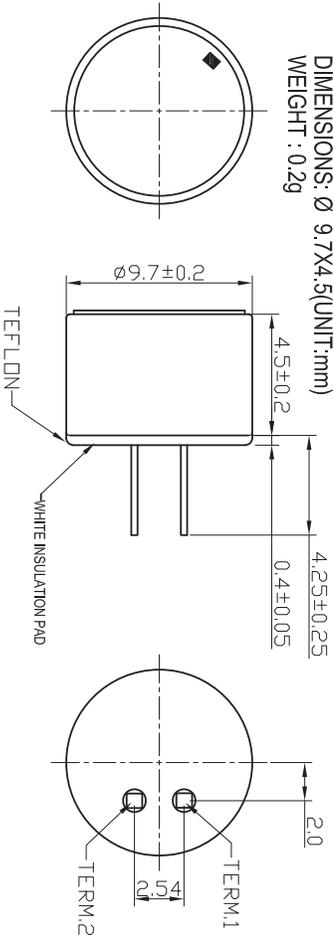


1 CONSTRUCTION

DIMENSIONS: Ø 9.7X4.5(UNIT:mm)  
WEIGHT : 0.2g



9	FET		K596
8	P.C.B	Glass fiber	
7	White Insulation Pad		TEFLON
6	cavity	ABS	
5	Diaphragm	Cu PPS	
4	electrets	Cu H65	
3	Spacer	Polyester film	
2	Case	AL	
1	Felt	Cotton decon textile	
No.	Name	Material	Remark

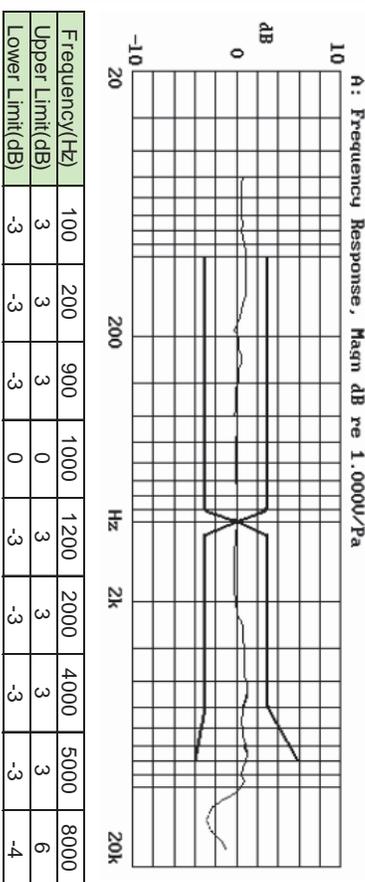
13-017	04/19/13	E	CHANGED THE DRAWING VIEW AND SPECIFICATIONS
08-116	03/28/08	D	CHANGED THE DRAWING TO NEW PRINT
07-438	09/18/07	C	ADDED THE PCB DRAWING & REVISED VS=DC 3.0V TO VS=DC 4.5V
07-381	08/08/07	B	CHANGED THE DRAWING TO NEW PRINT
ECN#	DATE	SYM	REVISION RECORD

VF	TL	ANG.	BY
CP	JY	N/A	
CP	JY	N/A	
CP	JY	N/A	
HYH	JY	N/A	
AUTH	BY	ANG.	BY

1. Electrical Specifications:

1.1	Sensitivity Range	-36±3dB RL=2.2KΩ Vs=4.5V (1KHz 0dB=1V/Pa)
1.2	Impedance	Max. 2.2KΩ 1KHz (RL=2.2KΩ)
1.3	Frequency	20-16000 Hz
1.4	Current Consumption	Max.0.5mA
1.5	Operation Voltage Range	1.0V-10V
1.6	Max Sound Pressure Level	115dB S.P.L
1.7	S/N Ratio	More than 58dB
1.8	Sensitivity Reduction	3.0V-2.5V Sensitivity Variation less than 3dB
1.9	Environmental Protection Regulation	ROHS

1.10 Typical Frequency Response Curve



NOTE:ALL DIMS ARE IN mm

PROJECTION



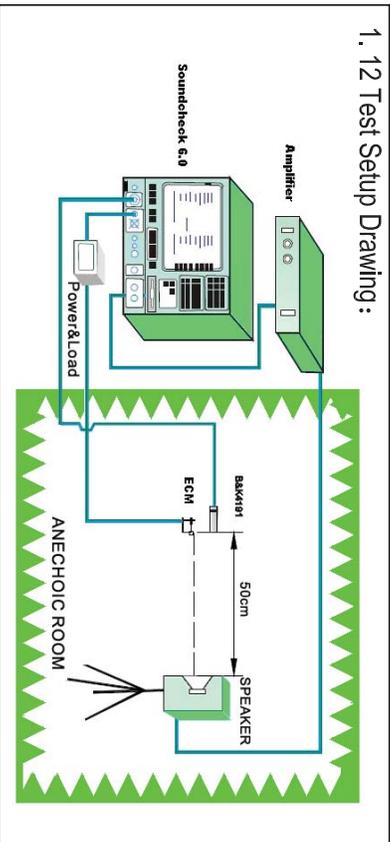
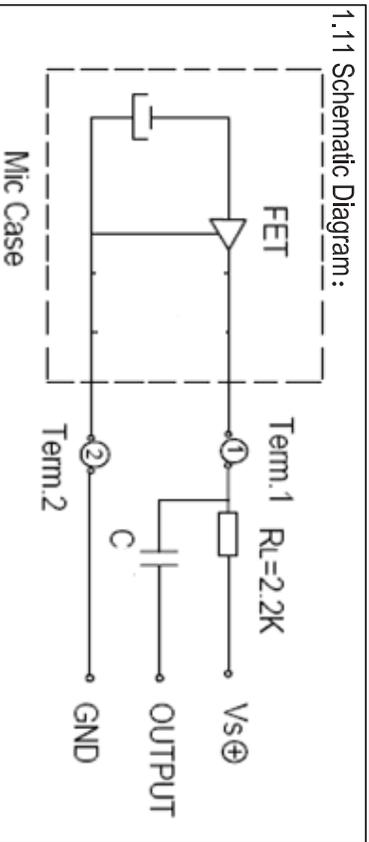
Research Develop Innovate

RD1, Inc. 400 Columbus Avenue Valhalla, NY 10595

SCALE: N/A TITLE: ELECTRET CONDENSER MICROPHONE-ROHS COMPLIANT

DR	DATE	REF.	1 OF 2
JH	03/01/06	P/N: REM-9745P-36-NL	
PRE-	MI	DRAWING NO. 2740	
JY			REV. E

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4. PACKAGING

	DRAWING	QTY (PCS)	SIZE(mm)	MARKING
INNER BOX		100	100X100X14.5	AS CUSTOMERS P.O
OUTER BOX		6000	210X210X280	AS CUSTOMERS P.O

13-017	04/19/13	E	CHANGED THE DRAWING VIEW AND SPECIFICATIONS		
08-116	03/28/08	D	CHANGED THE DRAWING TO NEW PRINT		
07-438	09/18/07	C	ADDED THE PCB DRAWING & REVISED VS=DC 3.0V TO VS=DC 4.5V		
07-381	08/08/07	B	CHANGED THE DRAWING TO NEW PRINT		
ECN#	DATE	SYM	REVISION RECORD		

2. Reliability Tests: After any following tests, the sensitivity of the microphone unit shall not change more than ±3dB from initial value, and shall keep their initial operation and appearance.

2.1	Hi-Temp. Test	The microphone unit must be subjected to +70°C for 200 Hours, and expose to room temperature for 3 Hours.
2.2	Low-Temp. Test	The microphone unit must be subjected to -25°C for 200 Hours, and expose to room temperature for 3 Hours.
2.3	Humid. & Heat Test	The microphone unit must be subjected to +40°C, 93% RH- for 200 Hours, and expose to room temp for 3 Hours.
2.4	Thermal Shocking Test	The microphone unit must be subjected to an environment from - 25°C for 30 minutes to the end of +70°C for 30 minutes, which shall be repeated 5 cycles and exposed to room temperature for 3 hours.
2.5	Vibration Test	The microphone unit must be subjected to a procedure that after vibrating for two hours from each of the two directions with a frequency of 10-55Hz and a 1.52mm-high amplitude.
2.6	Dropping Test	The microphone unit must be subjected to a procedure that after dropping to a slippery marble floor for 5 times from a 1-meter-high without package.

3. Environmental Condition:

3.1	Storage condition	-25°C~+70°C R.H. less than 90%
3.2	Operation condition	-20°C~+60°C R.H. less than 90%
3.3	Arbitration condition	Temperature : 20°C±1°C Relative humidity: 63%~67% Air pressure : 86~106Kpa

5. Output Inspection standard  
Output inspection standard is excited according to 《GB/T2828.1-2003》

NOTICE: DIMS ARE IN MM

PROJECTION	SCALE	TOLERANCE	DR.	DATE	REF.	SIZE	REV.
	N/A	EXCEPT AS NOTED	JH	03/01/06	P/N: REM-9745P-36-NL	2	DF 2
	N/A	DEC. INCHES	JY	PRE-	DRAWING NO. 2740	1	REV. E
	N/A	DEC. MILLIMETERS	JY	MI		F	
	N/A	N/A	ANG.				
	N/A	N/A	AUTH	BY			

TITLE: ELECTRET CONDENSER MICROPHONE-ROHS COMPLIANT

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