

產 品 規 格 書

SPECIFICATION OF PRODUCT

日期 (Date) : 2010-04-16

品名 (Part Name) : 駐極體麥克風 (驻极方式:振膜式)

(Part Name) : Electret Condenser Microphone (Electret Type: Foil)

貴公司品號 (Part Number) :

敝公司品號 (P/N) : EM-6035

承認印 (Stamp Of Reception)

XIAMEN HONCH INDUSTRIAL SUPPLIERS CO LTD

Tel: 86-592-5020537

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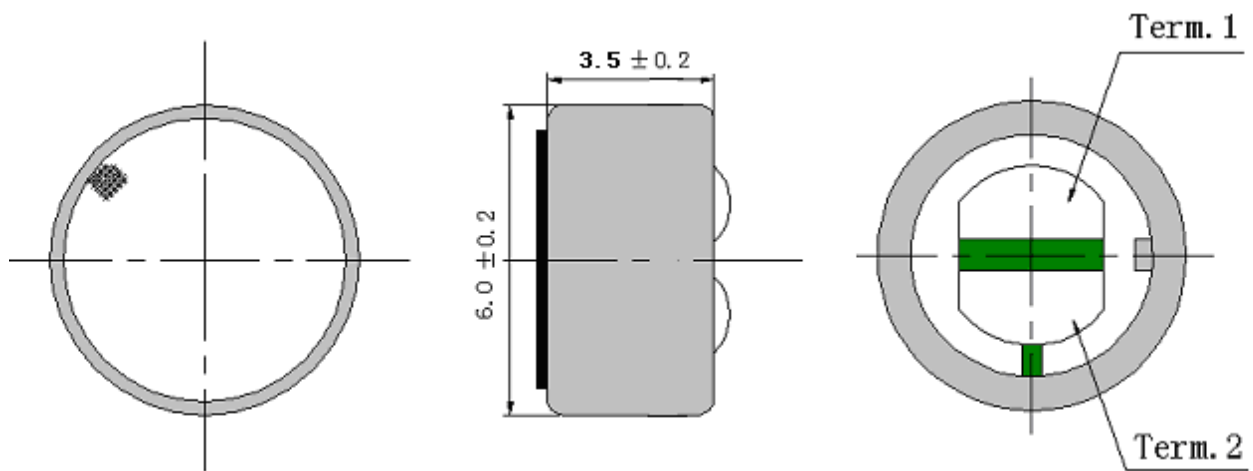
<http://www.honch-in.com>

Email: rogeryu@honch-ind.com

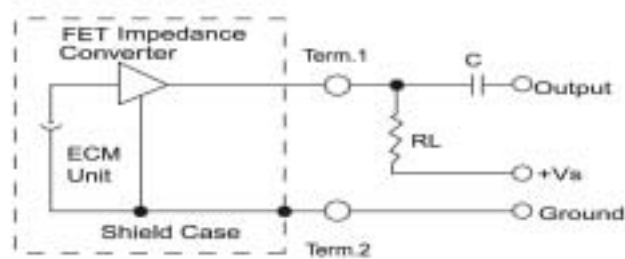
批准	檢查	作成
Approved by	Checked by	Drafted by

1、 CONSTRUCTION

Dimensions: $\phi 6.0 \times 3.5$ (Unit: mm)



2、 MEASUREMENT CIRCUIT



3、 SPECIFICATIONS

-40dB ($0\text{dB}=1\text{V}/\text{Pa}$) = **-60dB** ($0\text{dB}=1\text{V}/\mu\text{bar}$)

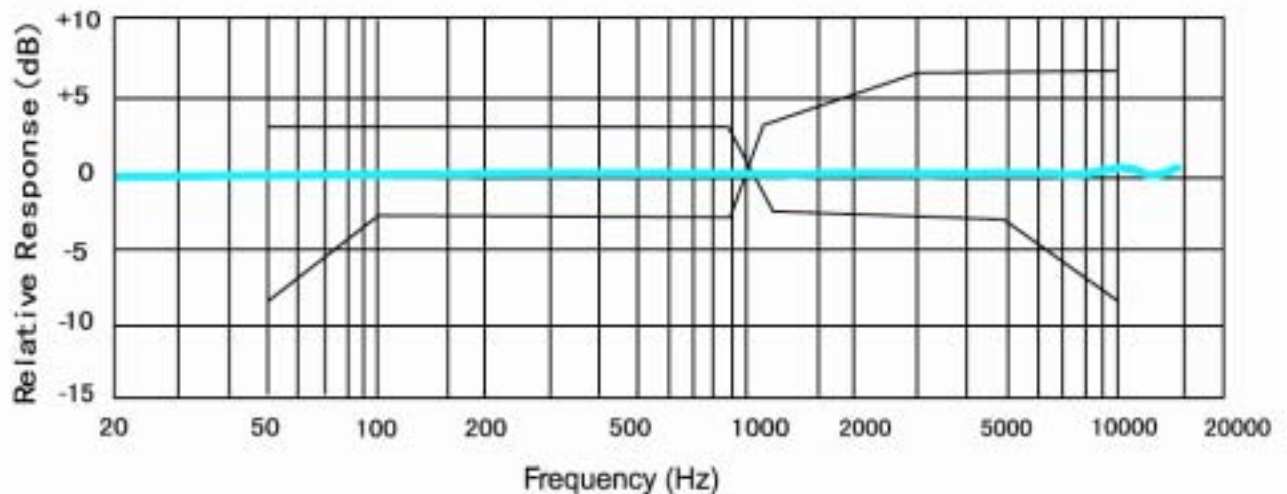
No.	Item	Standard
1	Sensitivity	$-40 \pm 2\text{dB}$ ($0\text{dB}=1\text{V}/\text{Pa}$)
2	Output Impedance	$\leq 2.2\text{K}\Omega$
3	Directivity	Omnidirectional
4	Frequency Range	20-16,000Hz
5	Operation Voltage	DC 1.0V-10V
6	Standard Power Supply	DC3.0V
7	Min Operation Voltage	1.0V
8	Current Consumption	$\leq 0.5\text{mA}$
9	Signal to Noise Ratio	$\geq 60\text{dB}$

4、 ELECTRICAL SPECIFICATIONS

Test Condition (Vs=DC3.0V, RL=2.2kΩ Temp=20 , Room Humidity=65%)

Item	Test Condition	Minimum	Standard	Maximum	Unit
Sensitivity	f=1kHz, P=1Pa	-42	-40	-38	dB
Output impedance	f=1kHz, P=1Pa			2.2k	Ω
Current Consumption				0.5	mA
Signal to Noise Ratio	f=1kHz, P=1Pa	60			dB
Decreasing Voltage Characteristic	f=1kHz, P=1Pa Vs=2V to 1.0V			-3	dB
Sound Pressure Level	f=1kHz	110			dB

5、 FREQUENCY RESPONSE ALLOWANCE RANGE



6、 MECHANICAL SPECIFICATION

Weight	Less than:0.35g	
Soldering Heat Shock	To be no interfere in operation after soldering heat shock, Temperature 260 ±5 for 3±0.5 seconds.	
Terminal Mechanical Strength	To be no interfering in operation after pulled the terminal with 1kg strength for 1 minute.	
Absolute maximum Ratings	Operating Voltage	10V
	Storage temperature range	-25 ~ +70
	Operating temperature range	-20 ~ +60

7、RELIABILITY TEST

Vibration Test	To be no interference in operation after vibration 10Hz to 50Hz for 1 minute full amplitude 1.52mm for 2 hour at three axes.
Drop Test	To be no interference in operation after dropped to concrete floor each one Time from 1 meter height at three directions in state of packing.
Temperature Test	a) After exposure at 70 for 200 hours, sensitivity to be within $\pm 3\text{dB}$ from initial sensitivity. (The measurement to be done after 2 hours of conditioning at 20) b) After exposure at -25 for 200 hours, sensitivity to be within $\pm 3\text{dB}$ from initial sensitivity. (The measurement to be done after 2 hours of conditioning at 20)
Humidity Test	After exposure at 60 ± 2 and 90 to 95 % relative humidity for 200 hours, sensitivity to be within $\pm 3\text{dB}$ from initial sensitivity. (The measurement to be done after 2 hours of conditioning at 20)
Temperature Cycle Test	After exposure at -25 for 30 minutes, at 20 for 10 minutes, at 70 for 30 minutes, at 20 for 10 minutes, 5 cycles, sensitivity to be within $\pm 3\text{dB}$ from initial sensitivity. (The measurement to be done after 2 hours of conditioning at 20)