



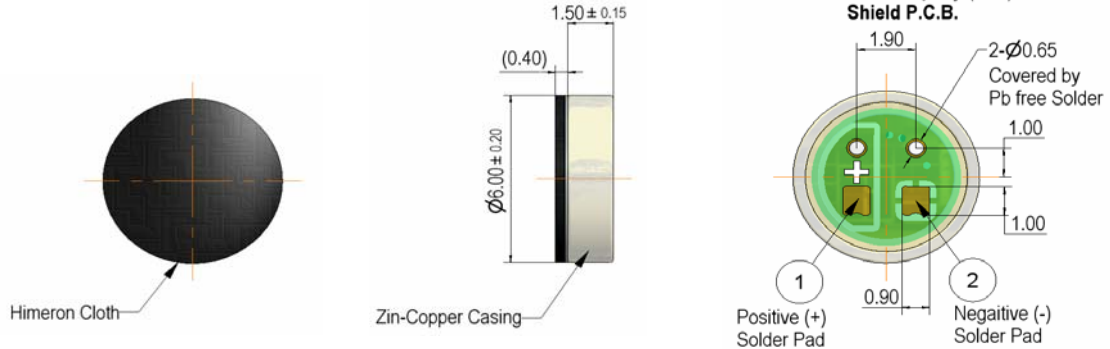
# EM-8017FYN

**New Product 新制品**

## 1 General Description 品格介绍

Application : Conference Phone, Voice Recorder, Home surveillance camera, Hearing Aid, Car Kit, Headphone, etc...  
用途: 会议电话机, 录音机, 住宅安全监通话机, 助听器, 耳机汽车通讯器材, 类似等等...

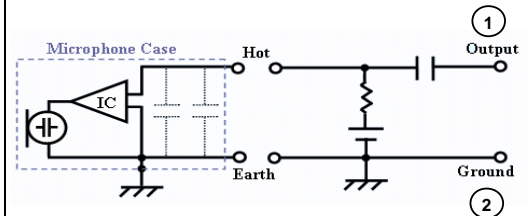
## 2 Appearance and Mechanical Dimension 外观. 尺寸图形



## 3 Specifications 规格

- 2-1 Directivity (方向特性) : Omni-Directional (全向)
- 2-2 Sensitivity at 1kHz (灵敏度) :  $-36.0 \pm 3.0\text{dB}$   
(ref. 0dB=1V/Pa)
- 2-3 Operational Setting (操作设立集) :  $RL=2.0\text{k}\Omega$   $VCC=3.0\text{V}$
- 2-4 Impedance (阻抗) : Less than  $2.0\text{k}\Omega$
- 2-5 Current Consumption (电流消耗) : Max.  $350\mu\text{A}$
- 2-6 Built-in Capacitor (嵌入电容) : J  $\rightarrow 10\text{pF}$ , K  $\rightarrow 33\text{pF}$   
[N  $\rightarrow (10\text{pF} + 33\text{pF})$ ]
- 2-7 Signal Noise Ratio (信噪比) : More than  $65.0\text{dB}$
- 2-8 Sound Pressure Level (音压) : Max.  $120\text{dB SPL}$

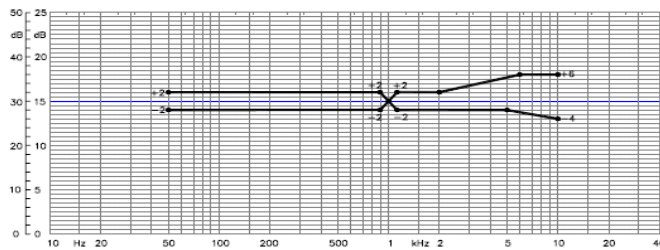
## 4 Circuit Diagram 集成电路



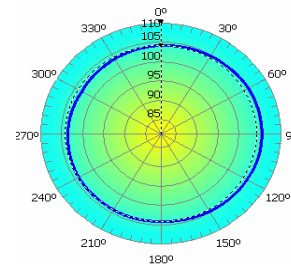
\*Note (指明)

EM-8017FYN: Built-in Capacitors (嵌入电容)  
N:  $10\text{pF} + 33\text{pF}$

## 5 Frequency Response 频率特性曲线



## 6 Polar Pattern 极线结构



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