



EM-8010FYN

New Product 新制品

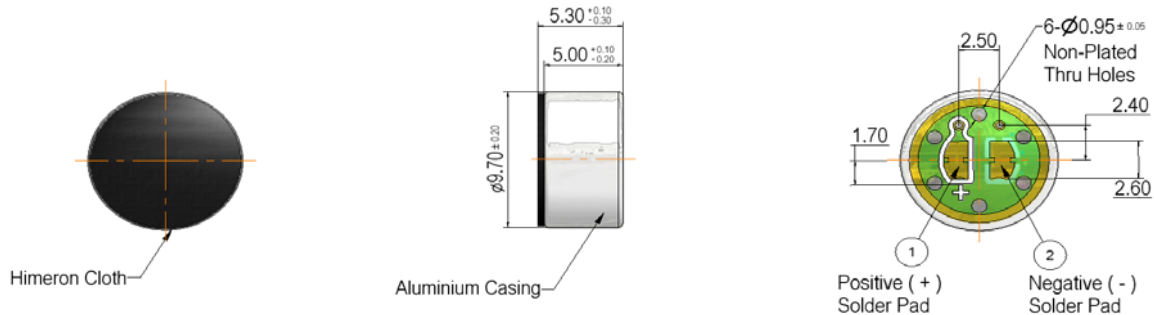
1 General Description

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



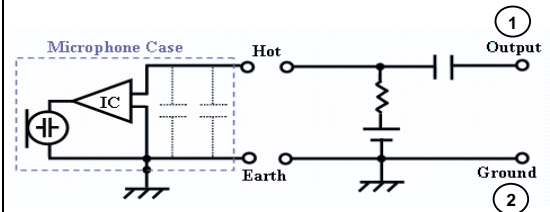
3 Specifications

规格

- 2-1 Directivity (方向特性) : Uni-Directional (单向)
- 2-2 Sensitivity at 1kHz (灵敏度) : $-47.0 \pm 3.0\text{dB}$
(ref. $0\text{dB}=1\text{V}/\text{Pa}$)
- 2-3 Front to rear ratios : Above 12dB
400Hz to 4000Hz ($180^\circ \pm 45^\circ$)
- 2-4 Operational Setting (操作设立集) : $R_L=2.2\text{k}\Omega$ $V_{CC}=1.5\text{V}$
- 2-5 Impedance (阻抗) : Less than $2.2\text{k}\Omega$
- 2-6 Current Consumption (电流消耗) : Max. $400\mu\text{A}$
- 2-7 Built-in Capacitor (嵌入电容) : J $\rightarrow 10\text{pF}$, K $\rightarrow 33\text{pF}$
[N $\rightarrow (10\text{pF} + 33\text{pF})$]
- 2-8 Signal Noise Ratio (信噪比) : More than 58dB
- 2-9 Sound Pressure Level (音压) : Max. 120dB SPL

4 Circuit Diagram

集成电路



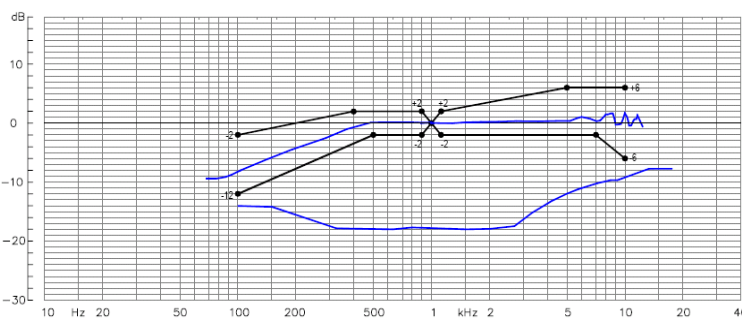
*Note (指明)

EM-8010FYN: Built-in Capacitors (嵌入电容)

N: $10\text{pF} + 33\text{pF}$

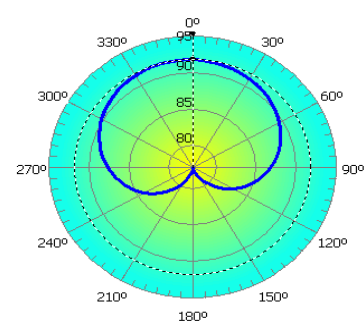
5 Frequency Response

频率特性曲线



6 Polar Pattern

极线结构



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