

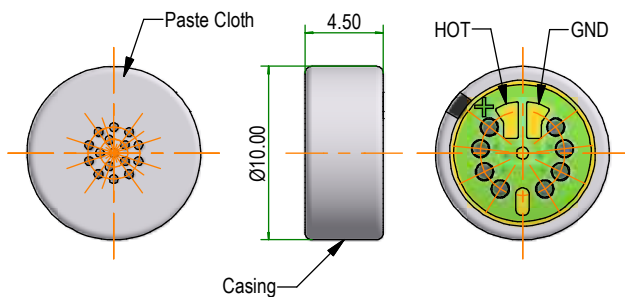


Electret Condenser Microphone Unit EM235M1YZ1

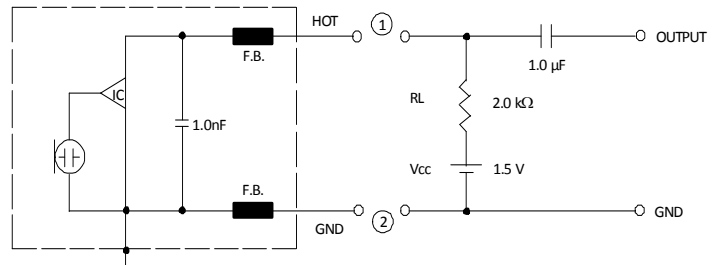
1. Specification:

- 1-1) Directivity [方向特性] Uni Directional
- 1-2) Sensitivity [靈敏度] $-37.0 \pm 2.0\text{dB}$, (at $f = 1\text{kHz}$, $0\text{dB} = 1\text{V/Pa}$) Far Field Setup (L=50cm)
 $V_{cc} = 1.5\text{V}$, $R_L = 2.0\text{k}\Omega$ (Black Marking)
- 1-3) Directionality..... Above 12.0dB (at 400Hz ~ 4000Hz, $180^\circ \pm 45^\circ$)
- 1-4) Output Impedance [阻抗] $1.8\text{k}\Omega \pm 30\%$, (at $f = 1\text{kHz}$)
- 1-5) S/N Ratio [信噪比] Above 69.0dB, (at $f = 1\text{kHz}$, 1Pa) (A Weighted)
- 1-6) Operating Voltage Range [工作電壓範圍] 1.5V (1.1V ~ 9.0V)
- 1-7) Current Consumption [電流消耗] 400 μA
- 1-8) Maximum Input Sound Pressure Level [音壓] 120dB S.P.L. (at $f = 1\text{kHz}$)
- 1-9) Weight [重量] Max 0.8 g
- 1-10) Capacitor (Built in) [電容 (內置)] 1.0nF
- 1-11) Cloth [布] Dust Cloth

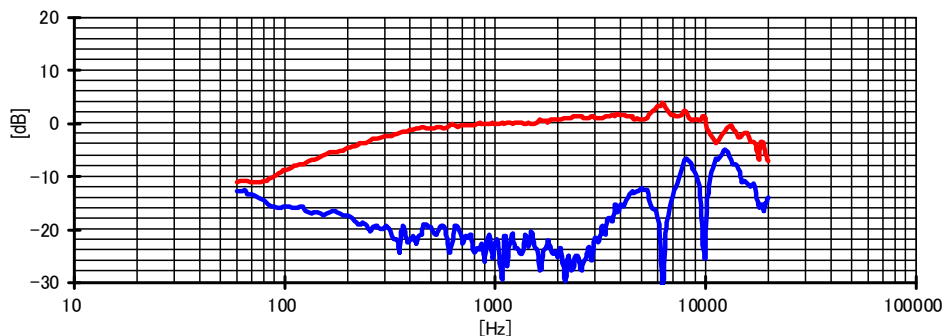
2. Appearance and Dimension [mm]



3. Electrical Circuit



4. Frequency Response



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