



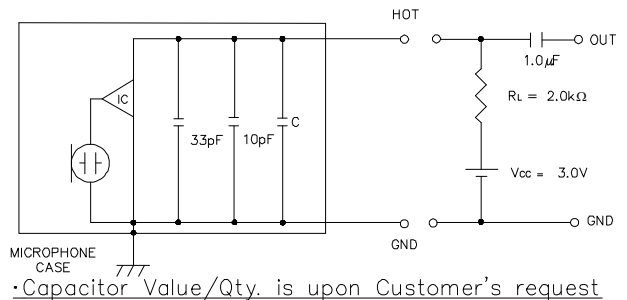
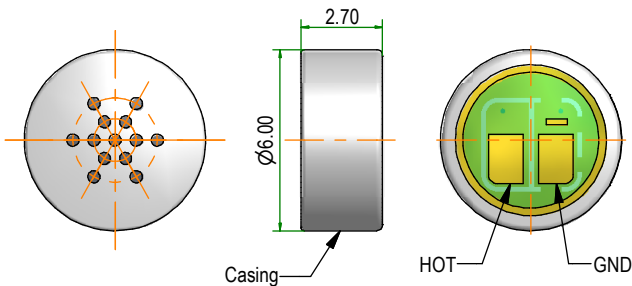
**Electret Condenser Microphone Unit
EM8027 Series**

1. Specification:

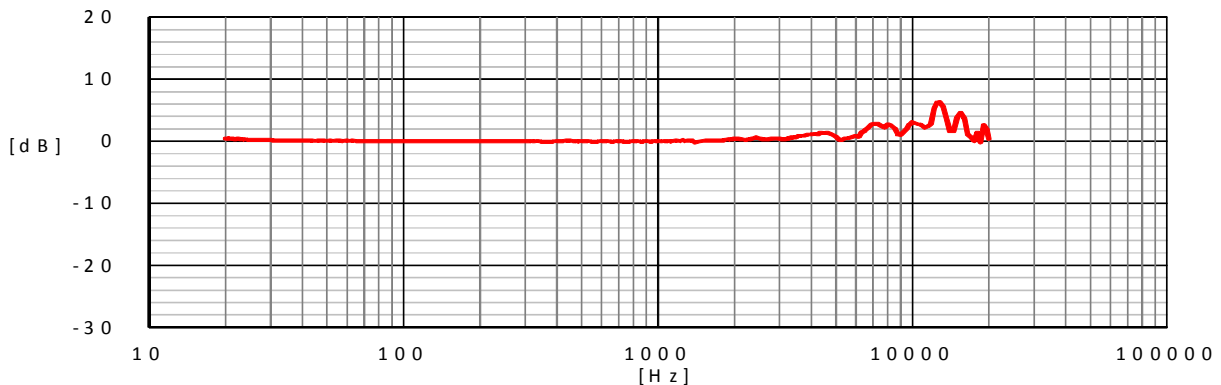
- 1-1) Directivity [方向特性] Omni Directional
- 1-2) Sensitivity [靈敏度] $-32.0 \pm 3.0\text{dB}$, (at $f = 1\text{kHz}$), (ref. $0\text{dB} = 1\text{V/Pa}$) $V_{cc} = 3.0\text{V}$, $R_L = 2.0\text{k}\Omega$
- 1-3) Output Impedance [阻抗] $1.4\text{k}\Omega \pm 30\%$ at $f = 1\text{kHz}$, $P_{in} = 1\text{Pa}$
- 1-4) S/N Ratio [信噪比] Typ. 70.0dB , (at $f = 1\text{kHz}$, $P_{in} = 1\text{Pa}$), (A Weighted)
- 1-5) Operating Voltage Range [工作電壓範圍] 3.0V ($1.2\text{V} \sim 10.0\text{V}$)
- 1-6) Current Consumption [電流消耗] $450\mu\text{A}$ Max ($V_{cc} = 3.0\text{V}$, $R_L = 2.0\text{k}\Omega$)
- 1-7) Maximum Input Sound Pressure Level [音壓] ... 109dB S.P.L.
- 1-8) Weight [重量] Max 0.2g
- 1-9) Capacitor (Built in) [電容 (內置)] N : ($10\text{pF} + 33\text{pF}$) + C : Optional
- 1-10) Cloth [布] Optional (Dust / Water-proof)

2. Appearance and Dimension [mm]

3. Electrical Circuit



4. Frequency Response



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