



# 泉州豐群電子有限公司

## C.C. FENG CHIUN ELECTRONIC CO., LTD.

OFFICE: TEL:+886-2-82522781  
FAX:+886-2-82522782

FACTORY: TEL:+86-595-22632579  
FAX:+86-595-22639258

1	MODEL	FM4015P003(GP)
2	Omnidirectional Electret Condenser Microphone Cartridge	全向駐極體電容傳聲器極頭
3	Very small, omnidirectional microphone	超小型全向傳聲器
4	Most suited to products having limited space	最適用于空間有限的產品
5	Electret type designed for high resistance to vibrations	駐極式, 高耐振設計

$V_s=3.0V$   $R_L=2.2k$  Ohm

<p><b>Sensitivity 靈敏度</b></p> <p><input type="checkbox"/> -54dB±2</p> <p><input type="checkbox"/> -56dB±2</p> <p><input type="checkbox"/> -58dB±2</p> <p><input type="checkbox"/> -60dB±2</p> <p><input type="checkbox"/> -62dB±2</p> <p><input type="checkbox"/> -64dB±2</p> <p><input type="checkbox"/> -66dB±2</p> <p><input type="checkbox"/> -68dB±2</p> <p><input type="checkbox"/> -70dB±2</p> <p><input type="checkbox"/> -72dB±2</p>	<p style="text-align: center;"><b>Typical Frequency Response Curve 頻率響應曲線圖</b></p> <p style="text-align: center;"><b>Dimensional Drawing 輪廓圖</b></p> <p style="text-align: right;">Tol:±0.2mm Unit: mm</p>
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<b>Applications 應用</b>	<b>Specifications 規格</b>
<p>1.Telephone devices</p> <p>2.Built-in microphones for tape recorders</p> <p>3.intercoms</p> <p>4.Completed microphones for recording, testing, and monitoring</p> <p>5.Sonic controlled toys and sensors</p> <p>6.Others</p> <p>1. 電話機</p> <p>2. 磁帶錄音機內裝傳聲器</p> <p>3. 對講機</p> <p>4. 錄音, 測試, 監聽用傳聲器</p> <p>5. 聲頻控制式玩具和傳感器</p> <p>6. 其他</p>	<p><b>Sensitivity:</b> See above (0dB=1V/1μ Bar, 1kHz)</p> <p><b>Impedance:</b> low impedance</p> <p><b>Directivity:</b> Omnidirectional</p> <p><b>Frequency:</b> 20-16,000Hz</p> <p><b>Max.operation voltage:</b> 10V</p> <p><b>Standard operation voltage:</b> 3.0V</p> <p><b>Current consumption:</b> Max.0.5mA</p> <p><b>Sensitivity reduction:</b> Within-3dB at 1.5V-3.0V</p> <p><b>S/N ratio:</b> More than 60dB</p>

<b>Schematic Diagram 測定電路圖</b>	<p><b>阻 抗</b></p> <p><b>指 向 性</b></p> <p><b>頻 率</b></p> <p><b>最大工作電壓</b></p> <p><b>標準工作電壓</b></p> <p><b>電 流 消 耗</b></p> <p><b>靈敏度減低</b></p> <p><b>信 噪 比</b></p>
<p style="text-align: center;">Shield case</p> <p style="text-align: center;">FET impedance converter</p> <p style="text-align: center;">ECM unit</p> <p style="text-align: center;">Term.1 C</p> <p style="text-align: center;">Output</p> <p style="text-align: center;">Term.2 +Vs</p> <p style="text-align: center;">Ground</p> <p style="text-align: center;"><math>R_L=2.2k</math> Ohm (External resistor)</p> <p style="text-align: center;"><math>C_1=10PF</math></p>	<p><b>參照上述</b></p> <p>(0dB=1V/1μ Bar, 1kHz)</p> <p><b>低阻抗</b></p> <p><b>全向</b></p> <p><b>20-16,000Hz</b></p> <p><b>10V</b></p> <p><b>3.0V</b></p> <p><b>最大0.5mA</b></p> <p><b>1.5V-3.0V時, 在-3dB以內</b></p> <p><b>大於58dB</b></p>

Admitted:

Approved:

Made: