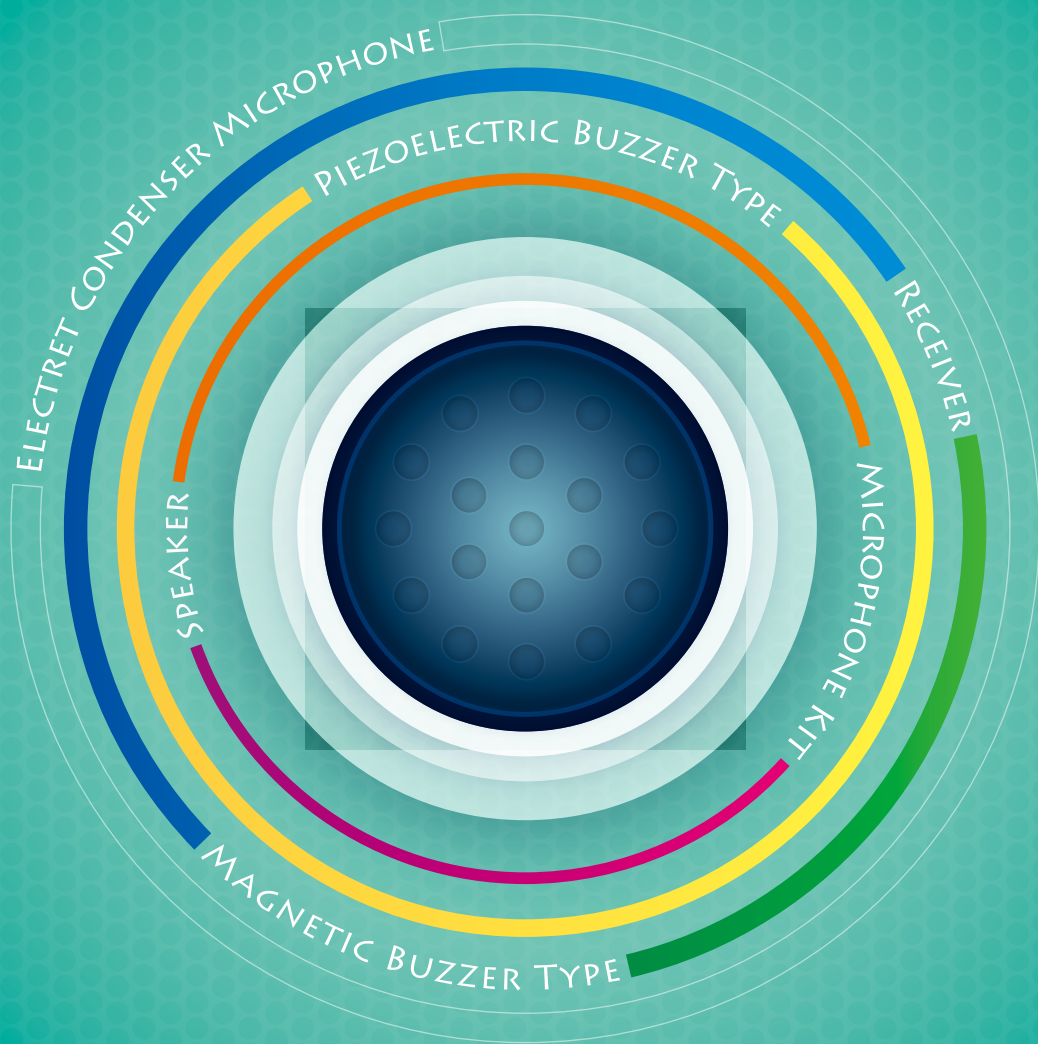




Ariose Electronics Co., Ltd.



Color the  acoustic World

[www.ario.com.tw](http://www.ario.com.tw)



# COMPANY

公司簡介

Ariose Electronics Co., Ltd.

## 關於我們 About us

音賜股份有限公司創立於1996年，是值得信賴且富有經驗的「電聲元件專業製造商」。

Founded in 1996, Ariose Electronics Co., Ltd. is a reliable, well-developed and professional manufacturer with well experiences in the electronic acoustic field.

## 主要產品 Main Products

蜂鳴器、喇叭、音箱、電容式麥克風、聆賞音樂用立體耳機組、藍芽無線傳輸通訊用途的耳機組、外接式麥克風組等。

Buzzer, Speaker, Speaker box, Electret Condenser Microphone, Stereo Headphone Set for multi-media, Earphone Set for communication and handsfree application.

## 產品適用於 Application

手持式消費性電子產品、手持式無線傳輸電子產品。各式電子、電機量測儀器、醫療儀器與醫療器材、自動化設備、機器人與自動控制設備、家電產品、汽機車警式功能與儀錶警示裝置、大樓消防與安全系統警示設備、居家用安全系統與警報系統等。

Consumer electronics for PDA, GPS, MP3, PMP, DSC, mobile phone, e-book, wireless transmission devices (Bluetooth, WiFi, WiMAX, and so on), electronic measuring instrument, medical instrument, automatic control device and home appliances, automotive alarm device, fire alarm equipment, security system and etc.

## 前瞻與方向 Future

在電子產品要求：輕薄短小，品質穩定，優惠價格的市場需求趨勢，音賜將以堅實的產品開發能力，豐富的產品應用開發經驗，滿足客戶對電聲產品的需求。

Manufacture small size products with great quality and competitive price based on the trends toward the market of electronic components. We support customers via our innovative abilities and full experiences to meet their acoustic requirements.

**經營理念 Company management philosophy :**

- ◎ 誠信負責 / Integrity and Responsibility.
- ◎ 專業用心 / Professional and Whole-hearted.
- ◎ 創新發展 / Innovation and Development.
- ◎ 成果分享 / Achievements sharing.

**環境政策 Environment Policy :**

- ◎ 遵行環保政策規範 / Follow Environmental Protection Rules and Regulations.
- ◎ 減廢減碳降低能耗 / Energy Saving and Carbon Reduction.
- ◎ 污染預防資源回收 / Resource Recycling and Pollution Prevention.
- ◎ 綠色生產永續經營 / Green Manufacturing and Sustainable Development.

**品質政策 Quality Policy :**

- ◎ 品質第一，持續改善 / Quality comes first with continuous improvement.
- ◎ 全員參與，客戶滿意 / Satisfy the clients, with everyone's involvement.



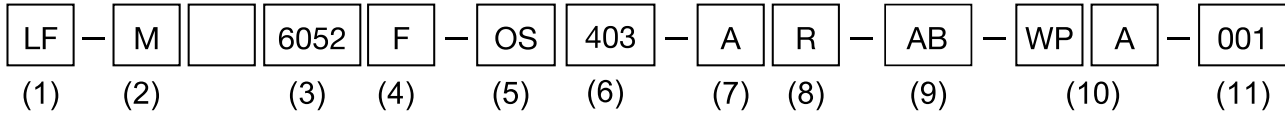
# Electret Condenser Microphone

電容式麥克風



## Electret Condenser Microphone

### Description of Part No. of Electret Condenser Microphone



(1) **LF** : Compliant with RoHS requirement.  
 [ ] : Not compliant with RoHS requirement.

(2) **M**[ ] : Electret condenser microphone .  
**M**[D] : Digital Electret condenser microphone.

(3) Dimension (mm) : Ø6.0 × 5.2mm

(4) **F**: Foil Electret Condenser Microphone **B**: Back Electret Condenser Microphone

- (5) Directivity:
- ◆ **O**: Omni-directional
  - ◆ **U**: Unidirectional
  - ◆ **N**: Noise canceling
- Connection method:
- ◆ **P** : Pin type
  - ◆ **S** : Solder type or Spring type
  - ◆ **W** : Lead wire type
  - ◆ **T** : SMD Type

(6) Sensitivity: 403 = -40±3dB

(7) Testing Condition (VS/RL) A to Z

|   |            |   |             |   |            |   |            |   |  |
|---|------------|---|-------------|---|------------|---|------------|---|--|
| A | 1.5V/680Ω  | G | 12.0V/2.2KΩ | M | 3.0V/2.0KΩ | S | 8.0V/680Ω  | Y |  |
| B | 2.0V/2.0KΩ | H | 1.5V/1.5KΩ  | N | 6.0V/1.0KΩ | T | 2.5V/2.2KΩ | Z |  |
| C | 2.0V/2.2KΩ | I | 1.5V/2.2KΩ  | O | 4.5V/1.0KΩ | U | 1.5V/1.2KΩ |   |  |
| D | 3.0V/2.2KΩ | J | 5.0V/2.2KΩ  | P | 1.5V/3.0KΩ | V |            |   |  |
| E | 4.5V/2.2KΩ | K | 1.8V/2.2KΩ  | Q | 2.0V/680Ω  | W |            |   |  |
| F | 6.0V/2.2KΩ | L | 3.3V/2.2KΩ  | R | 1.3V/2.2KΩ | X |            |   |  |

(8) **R**: Rubber holder

(9) Built-in capacitor :

|   |      |   |       |   |       |   |      |   |      |
|---|------|---|-------|---|-------|---|------|---|------|
| A | 10pF | C | 47pF  | E | 8.2pF | G | 56pF | I | 22pF |
| B | 33pF | D | 5.6pF | F | 6.8pF | H | 18nF | J | 10nF |

(10) IP Rating

Without clearly IP Rating will be marked as “WP” only

(11) Serial Number

Test Circuit

Note:

- 1.) We take “Pascal” (Pa)-the recommendation of I.E.C. for the volume
- 2.) The sensitivity with “Pa” indication will increase 20dB than with “μbar” indication

For example: -40dB(0dB=1V/Pa)=  
 -60dB(0dB=1V/μbar)

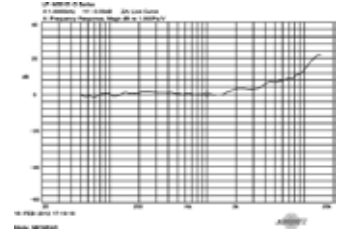
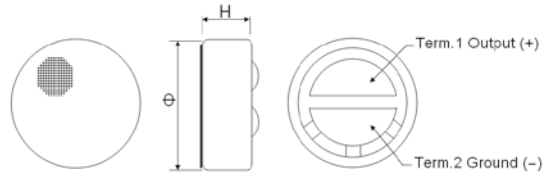
# Electret Condenser Microphone | 電容式麥克風

+Omni-directional Series 全向式

## ◎ LF-M3015-O Series



Lead -wire



Unit: mm

Size:

Ø3.0\*H 1.5mm

Omni-directional Series 全向式

### Sensitivity Range :

$V_s=2V$ ;  $R_L=2.2K\Omega$

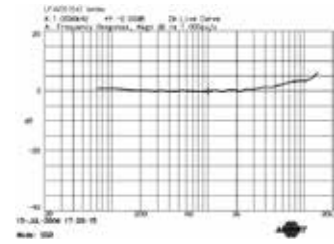
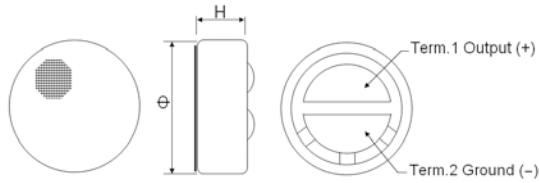
-42~-45 ± 3dB

| SPECIFICATIONS             |        |  |
|----------------------------|--------|--|
| Directivity                | 指向性    | Omni-directional                             |
| Sensitivity                | 靈敏度    | See above(0dB=1V/Pa 1KHz)                    |
| Standard Operating Voltage | 中心工作電壓 | VS:2.0V                                      |
| Operating Impedance        | 阻抗     | RL:2.2KΩ                                     |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                  |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V          |
| Frequency                  | 頻率     | 50~10,000Hz                                  |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                   |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at1KHz S.P.L=1Pa(A-Weighted Curve) |

### ◎ LF-M3515-O Series



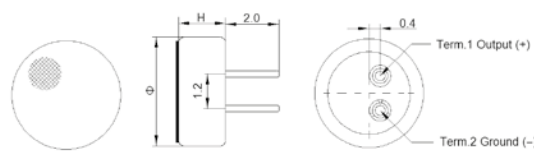
Lead -wire



Unit: mm



Pin type



Unit: mm

Size:

Ø3.5\*H 1.5mm

### Sensitivity Range :

$V_s=2V; R_L=2.2K\Omega$

-42~-45 ± 3dB

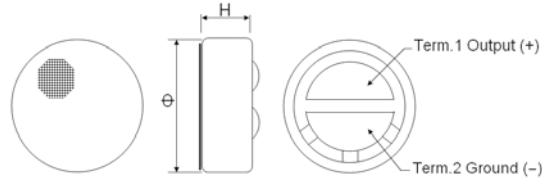
| SPECIFICATIONS             |        |   |
|----------------------------|--------|---|
| Directivity                | 指向性    | Omni-directional                              |
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                  |
| Standard Operating Voltage | 中心工作電壓 | VS : 2.0V                                     |
| Operating Impedance        | 阻抗     | RL : 2.2KΩ                                    |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                   |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V           |
| Frequency                  | 頻率     | 50~10,000Hz                                   |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                    |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L=1Pa(A-Weighted Curve) |

# Electret Condenser Microphone | 電容式麥克風

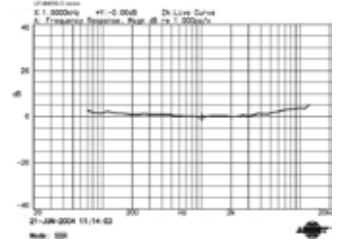
+Omni-directional Series 全向式

## ◎ LF-M4010-O Series / LF-M4013-O Series / LF-M4015-O Series / LF-M4020-O Series

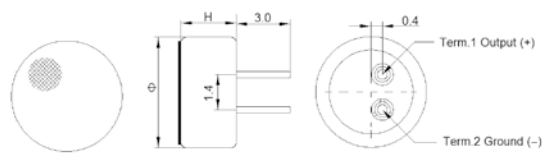
Lead -wire



Unit: mm

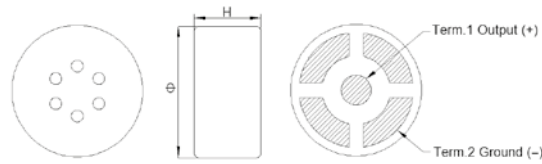


Pin type



Unit: mm

SMD Type



Unit: mm

Size:

|                                  |                                  |
|----------------------------------|----------------------------------|
| $\phi 4.0 \times H 1.0\text{mm}$ | $\phi 4.0 \times H 1.3\text{mm}$ |
| $\phi 4.0 \times H 1.5\text{mm}$ | $\phi 4.0 \times H 2.0\text{mm}$ |

### Sensitivity Range :

$V_s=3\text{V}; R_L=2.2\text{K}\Omega$

-27~-46 $\pm$ 3dB

### SPECIFICATIONS

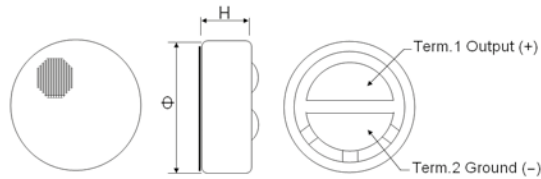
| Directivity                | 指向性    | Omni-directional                               |
|----------------------------|--------|--|
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                   |
| Standard Operating Voltage | 中心工作電壓 | VS : 3.0V                                      |
| Operating Impedance        | 阻抗     | RL : 2.2K $\Omega$                             |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                    |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V            |
| Frequency                  | 頻率     | 50~10,000Hz                                    |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                     |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L.=1Pa(A-Weighted Curve) |



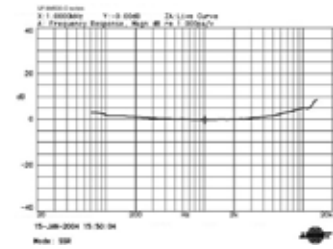
### ◎ LF-M4530-O Series



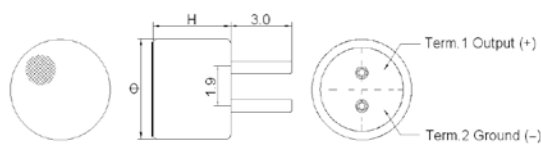
Lead -wire



Unit: mm

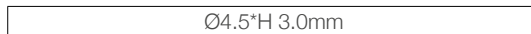


Pin type



Unit: mm

Size:



### Sensitivity Range :

$V_s=3V; R_L=2.2K\Omega$

-40~-44 ± 3dB

| SPECIFICATIONS             |        |   |
|----------------------------|--------|---|
| Directivity                | 指向性    | Omni-directional                              |
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                  |
| Standard Operating Voltage | 中心工作電壓 | VS : 3.0V                                     |
| Operating Impedance        | 阻抗     | RL : 2.2KΩ                                    |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                   |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V           |
| Frequency                  | 頻率     | 50~10,000Hz                                   |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                    |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L=1Pa(A-Weighted Curve) |

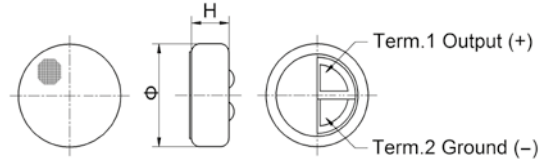
# Electret Condenser Microphone | 電容式麥克風

+Omni-directional Series 全向式

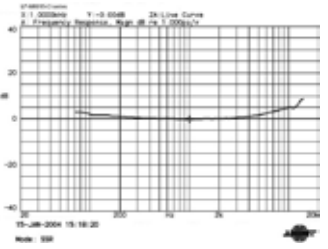
## ◎ LF-M6013-O Series / LF-M6015-O Series / LF-M6018-O Series



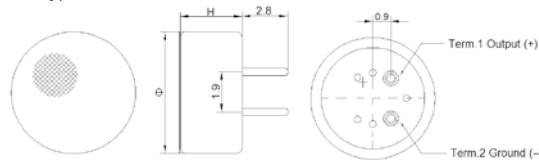
Lead -wire



Unit: mm



Pin type



Unit: mm

Size:

|               |               |
|---------------|---------------|
| Ø6.0*H 1.3 mm | Ø6.0*H 1.5 mm |
| Ø6.0*H 1.8 mm |               |

Omni-directional Series 全向式

### Sensitivity Range :

$V_s=3V; R_L=2.2K\Omega$

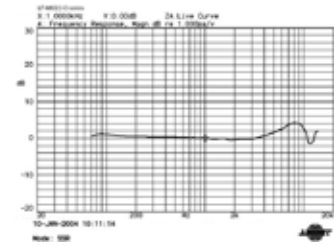
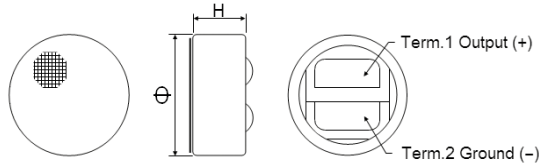
-40~-46±3dB

### SPECIFICATIONS

| Directivity                | 指向性    | Omni-directional                               |
|----------------------------|--------|--|
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                   |
| Standard Operating Voltage | 中心工作電壓 | VS : 3.0V                                      |
| Operating Impedance        | 阻抗     | RL : 2.2KΩ                                     |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                    |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V            |
| Frequency                  | 頻率     | 50~10,000Hz                                    |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                     |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L.=1Pa(A-Weighted Curve) |

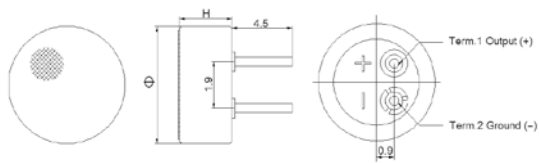
### ◎ LF-M6022-O Series / LF-M6027-O Series / LF-M6034-O Series

Lead -wire



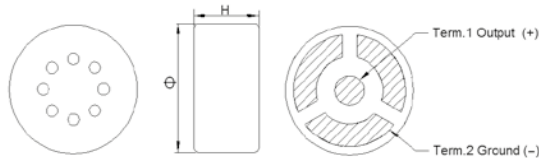
Unit: mm

Pin type



Unit: mm

SMD Type



Unit: mm

Size:

|               |               |
|---------------|---------------|
| Ø6.0*H 2.2 mm | Ø6.0*H 2.7 mm |
| Ø6.0*H 3.4 mm |               |

### Sensitivity Range :

$V_s=3V; R_L=2.2K\Omega$

-27~-46±3dB

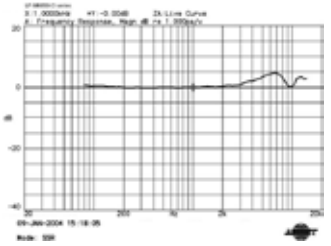
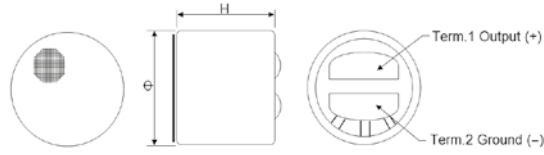
| SPECIFICATIONS             |        |   |
|----------------------------|--------|---|
| Directivity                | 指向性    | Omni-directional                              |
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                  |
| Standard Operating Voltage | 中心工作電壓 | VS : 3.0V                                     |
| Operating Impedance        | 阻抗     | RL : 2.2KΩ                                    |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                   |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V           |
| Frequency                  | 頻率     | 50~10,000Hz                                   |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                    |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L=1Pa(A-Weighted Curve) |

# Electret Condenser Microphone | 電容式麥克風

+Omni-directional Series 全向式

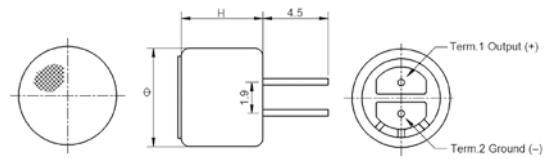
## ◎ LF-M6050-O Series / LF-M6052-O Series

Lead -wire



Unit: mm

Pin type



Unit: mm

Size:

|               |               |
|---------------|---------------|
| Ø6.0*H 5.0 mm | Ø6.0*H 5.2 mm |
|---------------|---------------|

Omni-directional Series 全向式

### Sensitivity Range :

$V_s=3V$ ;  $R_L=2.2K\Omega$

-36~-44 ± 3dB

| SPECIFICATIONS             |        |  |
|----------------------------|--------|--|
| Directivity                | 指向性    | Omni-directional                               |
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                   |
| Standard Operating Voltage | 中心工作電壓 | VS : 3.0V                                      |
| Operating Impedance        | 阻抗     | RL : 2.2KΩ                                     |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                    |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V            |
| Frequency                  | 頻率     | 50~10,000Hz                                    |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                     |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L.=1Pa(A-Weighted Curve) |

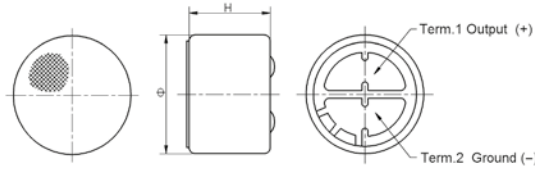
# Electret Condenser Microphone | 電容式麥克風

Ariose Electronics Co., Ltd.

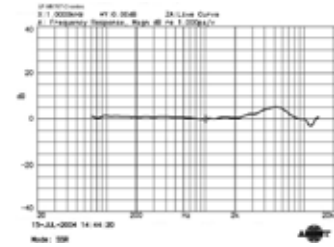
+ Omni-directional Series 全向式

## ◎ LF-M9465-O Series / LF-M9745-O Series / LF-M9750-O Series / LF-M9752-O Series / LF-M9767-O Series

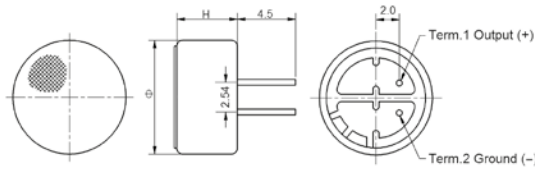
Lead -wire



Unit: mm



Pin type



Unit: mm

Size:

|               |               |
|---------------|---------------|
| Ø9.4*H 6.5 mm | Ø9.7*H 4.5 mm |
| Ø9.7*H 5.0 mm | Ø9.7*H 5.2 mm |
| Ø9.7*H 6.7 mm |               |

### Sensitivity Range :

$V_s=3V; R_L=2.2K\Omega$

-36~-46 ± 3dB

### SPECIFICATIONS

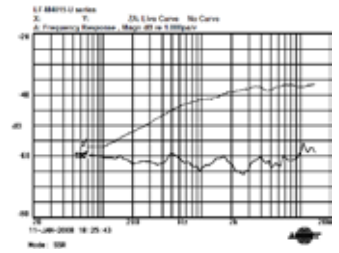
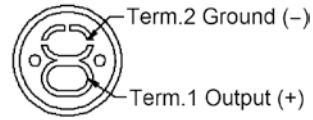
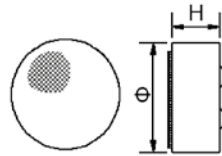
| Directivity                | 指向性    | Omni-directional                              |
|----------------------------|--------|---|
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                  |
| Standard Operating Voltage | 中心工作電壓 | VS : 3.0V                                     |
| Operating Impedance        | 阻抗     | RL : 2.2KΩ                                    |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                   |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V           |
| Frequency                  | 頻率     | 50~10,000Hz                                   |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                    |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L=1Pa(A-Weighted Curve) |

# Electret Condenser Microphone | 電容式麥克風

+ Unidirectional Series 單向式

## ◎ LF-M4015-U Series / LF-M4020-U Series

Lead -wire



Unit: mm

Size:

|               |               |
|---------------|---------------|
| Ø4.0*H 1.5 mm | Ø4.0*H 2.0 mm |
|---------------|---------------|

Unidirectional Series 單向式

### Sensitivity Range :

$V_s=3V; R_L=2.2K\Omega$

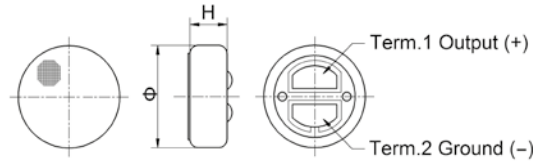
-44~-56 ± 3dB

### SPECIFICATIONS

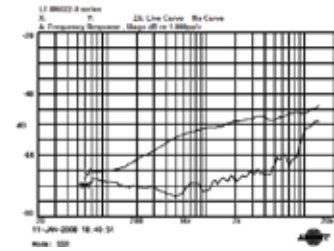
| Directivity                | 指向性    | Unidirectional                                 |
|----------------------------|--------|--|
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                   |
| Standard Operating Voltage | 中心工作電壓 | VS : 3.0V                                      |
| Operating Impedance        | 阻抗     | RL : 2.2KΩ                                     |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                    |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V            |
| Frequency                  | 頻率     | 100~10,000Hz                                   |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                     |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L.=1Pa(A-Weighted Curve) |

### ◎ LF-M6022-U Series / LF-M6027-U Series

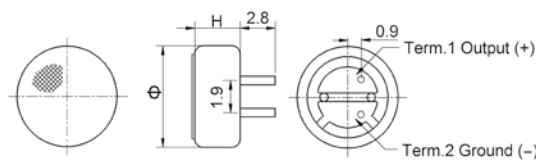
Lead -wire



Unit: mm



Pin type



Unit: mm

Size:

|               |               |
|---------------|---------------|
| Ø6.0*H 2.2 mm | Ø6.0*H 2.7 mm |
|---------------|---------------|

### Sensitivity Range :

$V_s=3V; R_L=2.2K\Omega$

-44~-54 ± 3dB

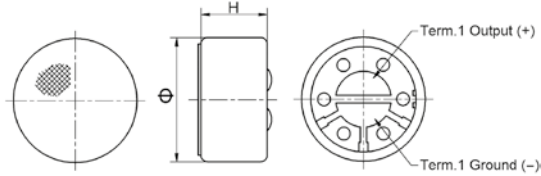
| SPECIFICATIONS             |        |   |
|----------------------------|--------|---|
| Directivity                | 指向性    | Unidirectional                                |
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                  |
| Standard Operating Voltage | 中心工作電壓 | VS : 3.0V                                     |
| Operating Impedance        | 阻抗     | RL : 2.2KΩ                                    |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                   |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V           |
| Frequency                  | 頻率     | 100~10,000Hz                                  |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                    |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L=1Pa(A-Weighted Curve) |

# Electret Condenser Microphone | 電容式麥克風

+ Unidirectional Series 單向式

## ◎ LF-M9750-U Series / LF-M9752-U Series / LF-M9767-U Series

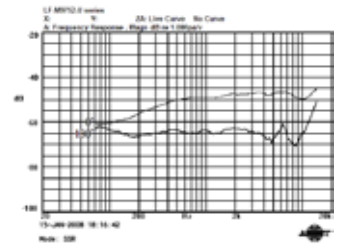
Lead -wire



Unit: mm

Size:

|               |               |
|---------------|---------------|
| Ø9.7*H 5.0 mm | Ø9.7*H 5.2 mm |
| Ø9.7*H 6.7 mm |               |



### Sensitivity Range :

$V_s=3V; R_L=2.2K\Omega$

-36~-51 ± 3dB

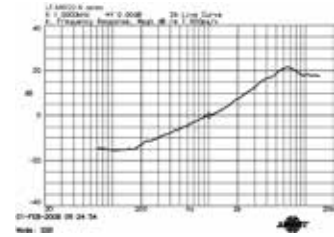
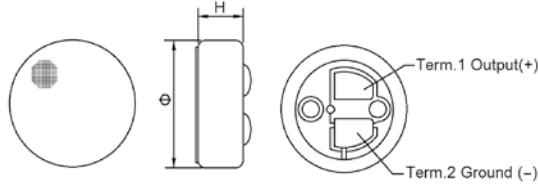
### SPECIFICATIONS

| Directivity                | 指向性    | Unidirectional                                 |
|----------------------------|--------|--|
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                   |
| Standard Operating Voltage | 中心工作電壓 | VS : 3.0V                                      |
| Operating Impedance        | 阻抗     | RL : 2.2KΩ                                     |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                    |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V            |
| Frequency                  | 頻率     | 100~10,000Hz                                   |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                     |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L.=1Pa(A-Weighted Curve) |



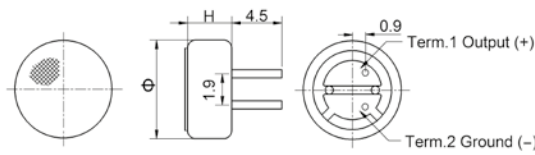
### ◎ LF-M6022-N Series / LF-M6027-N Series

Lead -wire



Unit: mm

Pin type



Unit: mm

Size:

|                                    |                                    |
|------------------------------------|------------------------------------|
| $\phi 6.0 \times H 2.2 \text{ mm}$ | $\phi 6.0 \times H 2.7 \text{ mm}$ |
|------------------------------------|------------------------------------|

### Sensitivity Range :

$V_s=3V; R_L=2.2K\Omega$

-42~-50 $\pm$ 3dB

### SPECIFICATIONS

| Directivity                | 指向性    | Noise-canceling                               |
|----------------------------|--------|---|
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                  |
| Standard Operating Voltage | 中心工作電壓 | VS : 3.0V                                     |
| Operating Impedance        | 阻抗     | RL : 2.2K $\Omega$                            |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                   |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V           |
| Frequency                  | 頻率     | 100~10,000Hz                                  |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                    |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L=1Pa(A-Weighted Curve) |

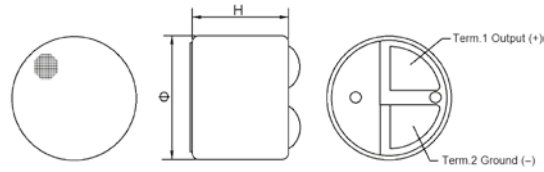
# Electret Condenser Microphone | 電容式麥克風

+ Noise-canceling Series 抗噪式

## ◎ LF-M6050-N Series



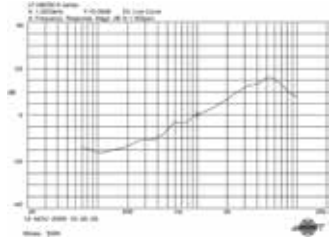
Lead -wire



Unit: mm

Size:

Ø6.0\*H 5.0 mm



Noise-canceling Series 抗噪式

### Sensitivity Range :

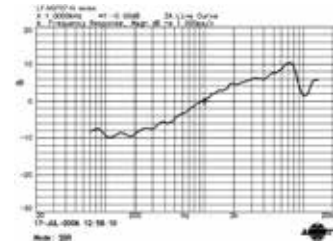
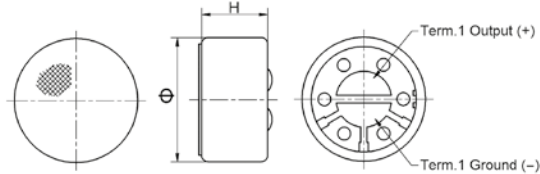
$V_s=3V; R_L=2.2K\Omega$

-42~-50±3dB

| SPECIFICATIONS             |        |  |
|----------------------------|--------|--|
| Directivity                | 指向性    | Noise-canceling                                |
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                   |
| Standard Operating Voltage | 中心工作電壓 | VS : 3.0V                                      |
| Operating Impedance        | 阻抗     | RL : 2.2KΩ                                     |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                    |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V            |
| Frequency                  | 頻率     | 100~10,000Hz                                   |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                     |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L.=1Pa(A-Weighted Curve) |

### ◎ LF-M9745-N Series / LF-M9752-N Series / LF-M9767-N Series

Lead -wire



Unit: mm

Size:

|               |               |
|---------------|---------------|
| Ø9.7*H 4.5 mm | Ø9.7*H 5.2 mm |
| Ø9.7*H 6.7 mm |               |

### Sensitivity Range :

$V_s=3V; R_L=2.2K\Omega$

-42~-50±3dB

| SPECIFICATIONS             |        |   |
|----------------------------|--------|---|
| Directivity                | 指向性    | Noise-canceling                               |
| Sensitivity                | 靈敏度    | See above ( 0dB=1V/Pa 1KHz )                  |
| Standard Operating Voltage | 中心工作電壓 | VS : 3.0V                                     |
| Operating Impedance        | 阻抗     | RL : 2.2KΩ                                    |
| Operating Voltage          | 工作電壓   | 1~ 10.0 VDC                                   |
| Sensitivity Reduction      | 靈敏度減低  | Within -3dB at 2.0V Compare to 3.0V           |
| Frequency                  | 頻率     | 100~10,000Hz                                  |
| Current Consumption        | 消耗電流   | 0.5mA Max.                                    |
| S/N Ratio                  | 訊號雜音比  | 58dB Min. at 1KHz S.P.L=1Pa(A-Weighted Curve) |

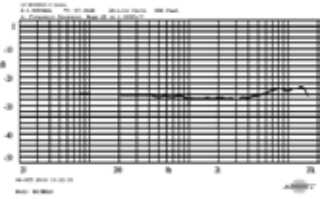
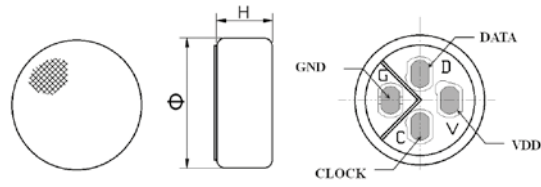
# Electret Condenser Microphone | 電容式麥克風

+ Digital signal output type 數位式

## ◎ LF-MD6022-O Series



Lead -wire



Unit: mm

Size:

Ø6.0\*H 2.2 mm

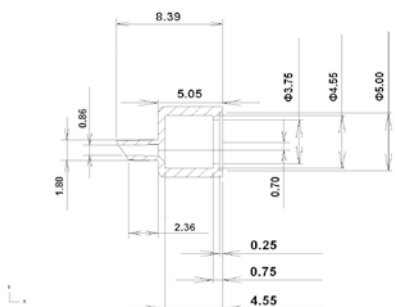
Digital signal output type 數位式

**Sensitivity Range :  $-28 \pm 3\text{dB}$**

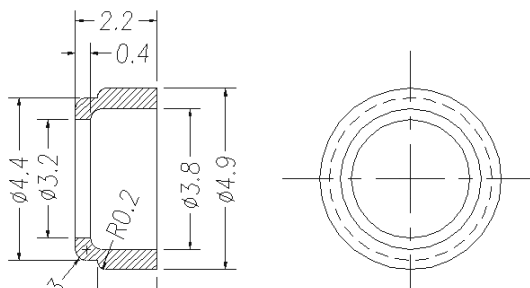
| Name                | Description                                |
|---------------------|--|
| GND                 | Ground                                     |
| CLK                 | User-adjustable clock input to microphone  |
| VDD                 | Power supply and IO voltage for microphone |
| DATA <sub>L,R</sub> | Right or left microphone PDM data output   |

## + Microphone holder 麥克風套

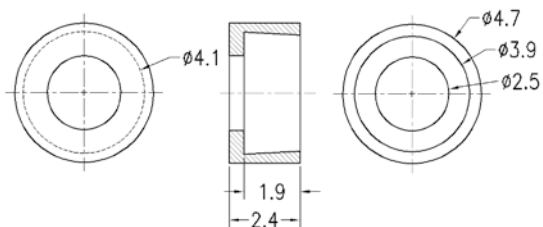
● RH4001A



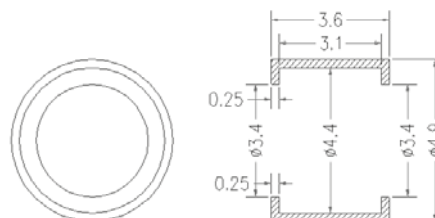
● RH4015A



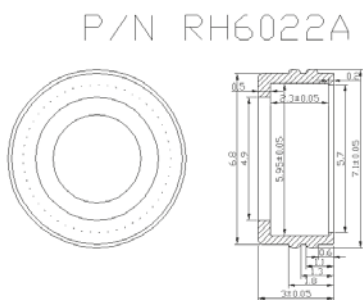
● RH4015B



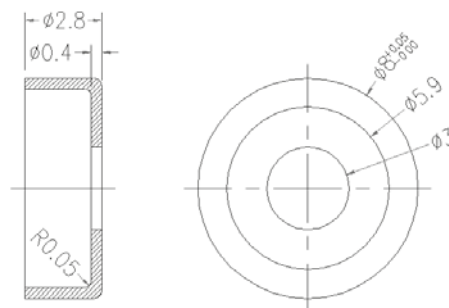
● RH4530A



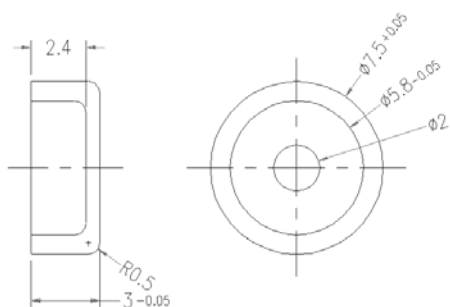
● RH6022A



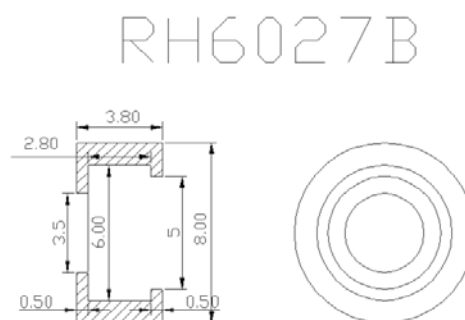
● RH6022C



● RH6022D



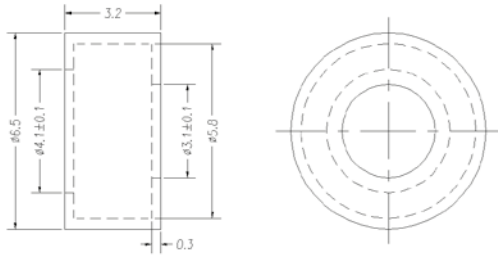
● RH6027B



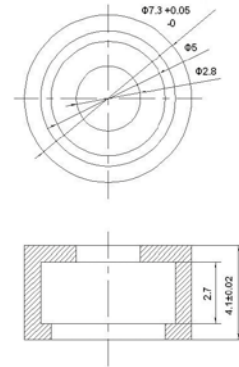
# Electret Condenser Microphone | 電容式麥克風

+ Microphone holder 麥克風套

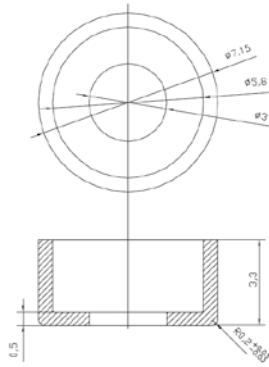
● RH6027C



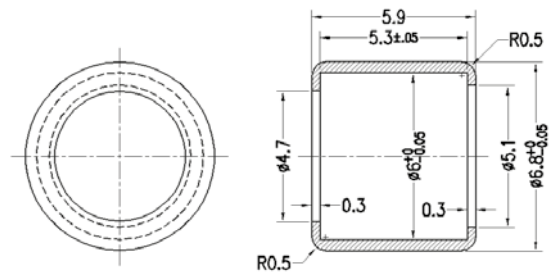
● RH6027D



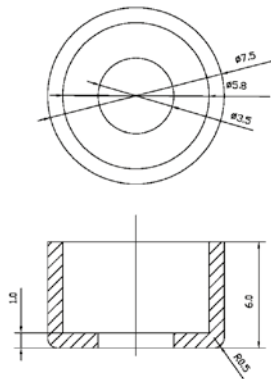
● LF-RH6027G



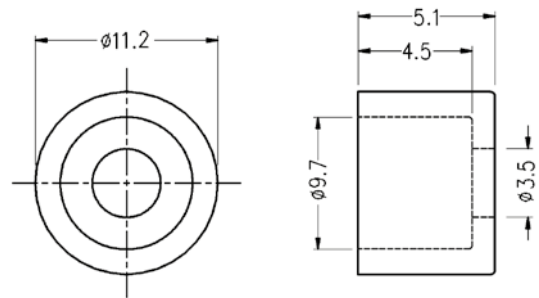
● RH6052C



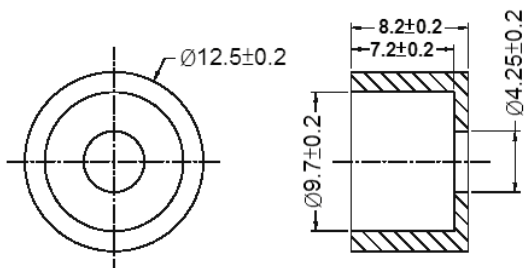
● LF-RH6052E



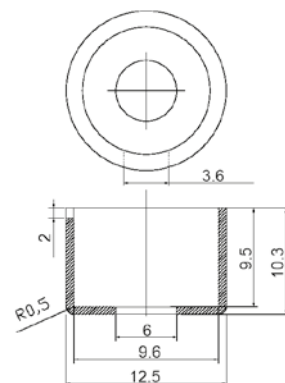
● LF-RH9750A



● LF-RH9767C



● LF-RH9767E





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