

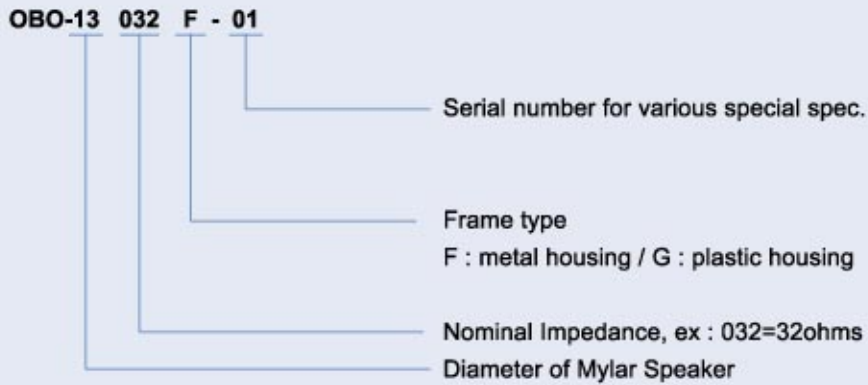
## MYLAR SPEAKER

MODEL NO.	Impedance (Ω±15%)	Power Rating		F0 (Hz±20%)	SPL (±3dB)	Frequency (Hz)	Dimensions (mm)	Weight (gms)	Page NO.
		Normal	Max.						
OBO-13008F-06	8	300	500	1,050	88	700~7,000	13.0×2.75	1.0	76
OBO-13032F-01	32	10	30	600	95	350~18,000	13.8×4.5	1.5	76
OBO-15008F-02	8	200	300	1,000	85	600~6,000	15.0×3.5	0.8	77
OBO-15032F-02	32	30	50	680	103	680~20,000	15.0×4.2	1.7	77
OBO-15150F-02	150	30	50	500	99	380~20,000	15.0×4.2	1.7	78
OBO-20008F-01	8	200	400	700	75	400~6,500	20.0×3.0	2.5	79
OBO-20008G-01	8	100	200	900	75	700~7,500	20.0×4.3	1.7	79
OBO-20032F-01	32	200	300	650	76	400~6,500	20.0×3.0	2.3	80
OBO-20032G-01	32	100	200	700	74	550~5,000	20.0×4.4	1.7	80
OBO-23008F-01	8	200	500	750	82	550~6,000	23.0×2.0	3.5	81
OBO-27032G-01	32	200	500	680	80	400~7,000	27.0×5.1	5.0	81
OBO-28008F-01	8	200	500	650	81	350~6,500	28.0×2.2	6.0	82
OBO-28008G-01	8	100	200	500	76	350~8,000	28.0×3.0	2.9	82
OBO-28032F-01	32	200	500	650	81	350~8,000	28.0×4.8	5.8	83
OBO-36008F-01	8	100	200	400	80	300~6,000	36.0×4.8	7.5	84
OBO-36008F-02	8	200	500	550	83	350~6,000	36.0×4.8	8.5	84
OBO-36008F-03	8	500	1,000	530	86	350~6,800	36.0×4.8	8.3	85
OBO-36016F-02	16	500	1,000	530	85	350~11,000	36.0×4.8	8.5	85
OBO-36032F-01	32	100	200	400	80	300~5,000	36.0×4.8	8.5	86
OBO-36025F-01	25	200	500	500	83	320~7,200	36.0×4.8	8.5	86
OBO-40008F-01	8	200	500	500	80	350~8,000	40.0×5.0	9.2	87
OBO-40008F-03	8	500	1,000	550	84	350~5,800	40.0×5.0	9.45	87
OBO-40008F-04	8	1,000	2,000	550	87	350~5,000	40.0×5.0	9.2	88
OBO-40032F-01	32	200	500	560	80	320~6,500	40.0×5.0	9.5	88
OBO-50050G-01	50	200	500	400	81	250~10,000	50.0×8.0	10.5	89
OBO-25008K-01	8	1,000	2,000	800	81	800~20,000	25.0×14.0×4.5	1.7	90
OBO-35004K-01	4	1,000	2,000	600	81	600~20,000	35.0×16.0×5.0	2.6	91
OBO-35008K-01	8	1,000	2,000	600	81	450~20,000	35.0×16.0×5.0	2.6	91

Note : The number of impedance and power rate are able to be changed as per specific inquiry.

# MYLAR SPEAKER 薄膜喇叭

## PART NUMBERING SYSTEM



NOTE : The number of impedance and power rate are able to be change as per specific inquiry.

## 成品編碼原則



注意：電阻值（Ω）及輸出功率（W）可依客戶需求作變更

# MYLAR SPEAKER

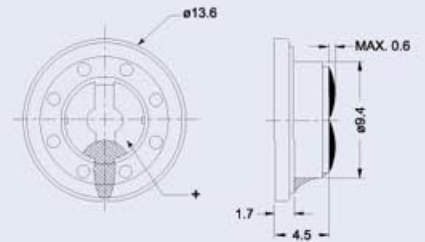
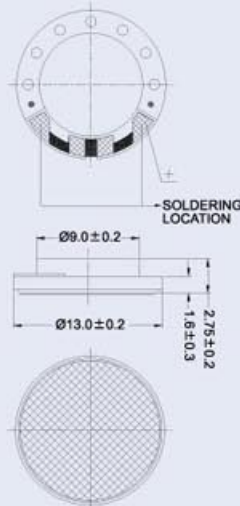
# 薄膜喇叭



DIMENSIONS	尺寸
NOMINAL IMPEDANCE	阻值
POWER RATING	設定值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions (Unit: mm ± 0.2)

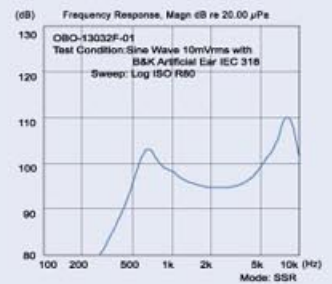
輪廓尺寸圖



HOUSING MATERIAL: METAL

Frequency Response

頻率響應圖



## FEATURES

- Compact size, rich sound
- GSM / Cellular phone / PDA phone application

## 特色

- 輕小尺寸，高音值
- 應用於手機及PDA個人數位手機

### OBO-13008F-06

13.0mm × 2.75mm
8Ω ± 15% at 1.6K Hz / 1.0V
Nom. 300mW / Max. 500mW
1,050 ± 210Hz
88 ± 3dB / 300mW / 10cm
Average at 1.0, 1.2, 1.5, 2.0KHz
Max. 10% at 1,200Hz, 300mW
700~7,000Hz
-25°C to +50°C
-25°C to +55°C
1.0 ± 0.1 gm

### OBO-13032F-01

13.6mm × 4.5mm
32Ω ± 15% at 800Hz
Normal 10mW / Max. 30mW
600Hz ± 150Hz
95 ± 3dB / 10mW / IEC-318
Average at 1.0, 1.2, 1.5, 2.0KHz
350~18,000Hz Average SPL-10dB
5% Maximum at 1,600Hz. 0.01W
-25°C to +50°C
-25°C to +55°C
1.5gms

# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺寸
NOMINAL IMPEDANCE	阻值
POWER RATING	設定值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖

## APPLICATIONS

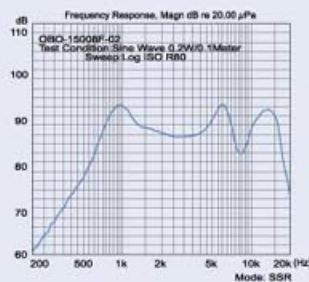
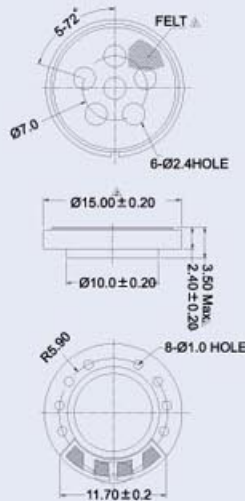
- Headphones & Earphones
- Hands-Free Cellular Phones
- Communication Equipments

## 適用範圍

- 耳機專用
- 手機免持耳機
- 通訊設備

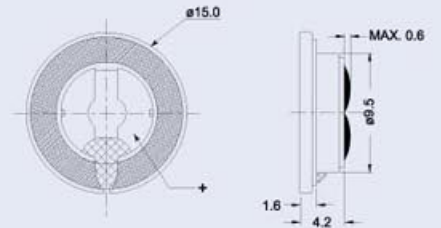
### OBO-15008F-02

15.0mm × 3.5mm
8Ω ± 15% at 1kHz / 1.0V
Nom. 200mW / Max. 300mW
1,000Hz ± 20%
85 ± 3dB / 200mW / 10cm
Average at 1.0, 1.2, 1.5, 2.0KHz
600~6,000Hz
Max. 5% at 1,400Hz, 200mW
-20°C to +50°C
-20°C to +55°C
0.8 ± 0.2 gm

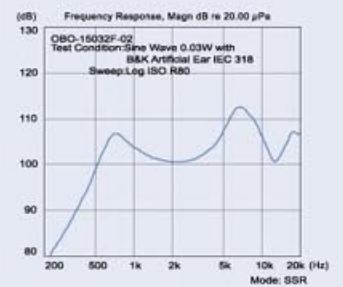


### OBO-15032F-02

15.0mm × 4.2mm
32Ω ± 15% at 1,800Hz / 0.98V
Normal 30mW / Max. 50mW
680Hz ± 150Hz
103 ± 3dB / 30mW / IEC-318
Average at 1.0, 1.2, 1.5, 2.0KHz
680~20,000Hz Average SPL-10dB
5% Maximum at 1,600Hz, 30mW
-25°C to +50°C
-25°C to +55°C
1.7gms



HOUSING MATERIAL: METAL



# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺寸
NOMINAL IMPEDANCE	阻值
POWER RATING	設定值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖

## APPLICATIONS

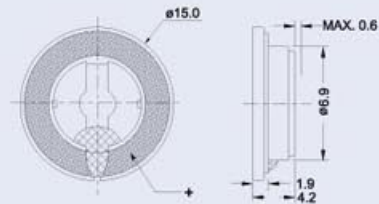
- Headphones & Earphones
- Hands-Free Cellular Phones
- Communication Equipments

## 適用範圍

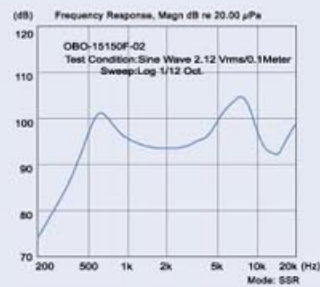
- 耳機專用
- 手機免持耳機
- 通訊設備

### OBO-15150F-02

15.0mm × 4.2mm
150Ω ± 15% at 1,200Hz / 1.0v
Normal 30mW / Max. 50mW
500Hz ± 150Hz
99 ± 3dB / 30mW / IEC-318
Average at 1.0, 1.2, 1.5, 2.0KHz
380~20,000Hz Average SPL-10dB
5% Maximum at 1200Hz. 30mW
-25°C to +50°C
-25°C to +55°C
1.7gms



HOUSING MATERIAL : METAL



# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺寸
NOMINAL IMPEDANCE	阻值
POWER RATING	設定值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖

## APPLICATIONS

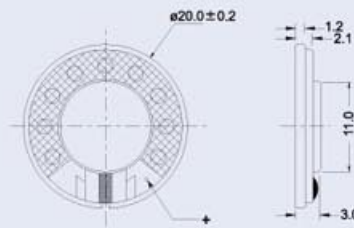
- Handy Video Games
- Computer Peripherals
- Electric Dictionary
- Computer Modems
- Communication Equipments

## 適用範圍

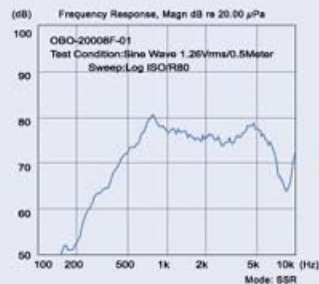
- 掌上型遊樂器
- 電腦周邊
- 電子字典
- 數據機
- 通訊設備

### OBO-20008F-01

20.0mm × 3.0mm
8Ω ± 15% at 1,400Hz
Normal 200mW / Max. 400mW
700Hz ± 150Hz
75 ± 3dB / 200mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
400~6,500Hz Average SPL-10dB
5% Maximum at 1,400Hz. 200mW
-25°C to +50°C
-25°C to +55°C
2.5gms

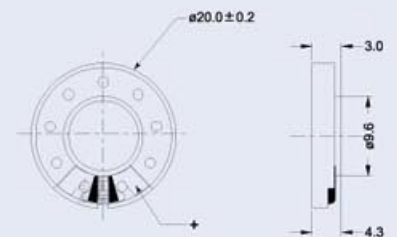


HOUSING MATERIAL : METAL

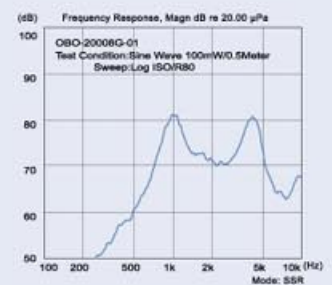


### OBO-20008G-01

20mm × 4.3mm
8Ω ± 15% at 1,800Hz
Normal 100mW / Max. 200mW
900Hz ± 150Hz
75 ± 3dB / 100mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
700~7,500Hz Average SPL-10dB
5% Maximum at 1,400Hz. 100mW
-25°C to +50°C
-25°C to +55°C
1.7gms



HOUSING MATERIAL: ABS



# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺 寸
NOMINAL IMPEDANCE	阻 值
POWER RATING	設 定 值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重 量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖

## APPLICATIONS

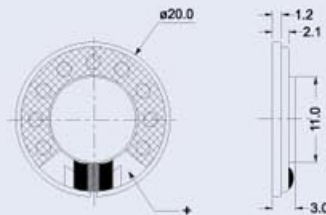
- Handy Video Games
- Computer Peripherals
- Electric Dictionary
- Computer Modems
- Communication Equipments

## 適用範圍

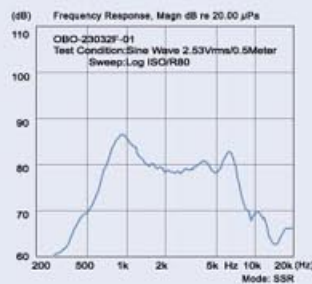
- 掌上型遊戲器
- 電腦周邊
- 電子字典
- 數據機
- 通訊設備

### OBO-20032F-01

20mm × 3.0mm
32Ω ± 15% at 1,400Hz
Normal 200mW / Max. 300mW
650Hz ± 150Hz
76 ± 3dB / 200mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
400~6,500Hz Average SPL-10dB
5% Maximum at 1,200Hz. 200mW
-25°C to +50°C
-25°C to +55°C
2.3gms

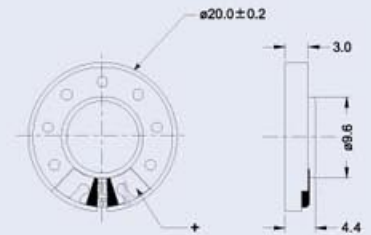


HOUSING MATERIAL: METAL

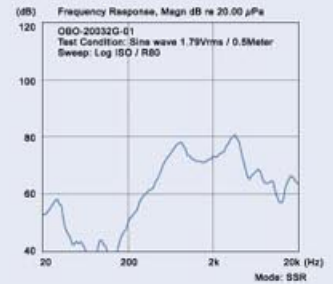


### OBO-20032G-01

20.0mm × 4.4mm
32Ω ± 15% at 1,000Hz / 1.0v
Normal 100mW / Max. 200mW
700Hz ± 150Hz
74 ± 3dB / 100mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
550~5,000Hz Average SPL-10dB
5% Maximum at 1,000Hz. 100mW
-25°C to +50°C
-25°C to +55°C
1.7gms



HOUSING MATERIAL: ABS



# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺寸
NOMINAL IMPEDANCE	阻值
POWER RATING	設定值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions  
(Unit: ±0.2mm)  
輪廓尺寸圖

## APPLICATIONS

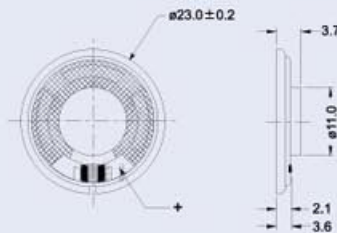
- Handy Video Games
- Computer Peripherals
- Electric Dictionary
- Computer Modems
- Communication Equipments

## 適用範圍

- 掌上型遊戲器
- 電腦周邊
- 電子字典
- 數據機
- 通訊設備

### OBO-23008F-01

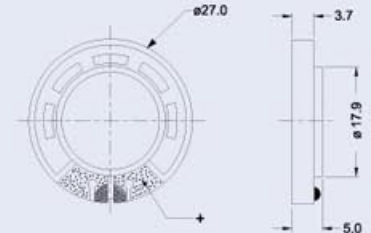
23.0mm × 2.0mm
8Ω ± 15% at 1,400Hz / 1.0v
Normal 200mW / Max. 500mW
750Hz ± 150Hz
82 ± 3dB / 200mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
550~6,000Hz Average SPL-10dB
5% Maximum at 1,000Hz. 200mW
-25°C to +50°C
-25°C to +55°C
3.5gms



HOUSING MATERIAL : METAL

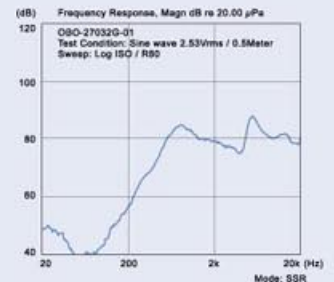
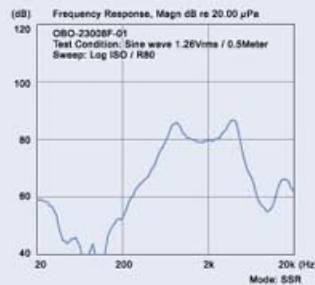
### OBO-27032G-01

27.0mm × 5.1mm
32Ω ± 15% at 1,000Hz
Normal 200mW / Max. 500mW
680Hz ± 150Hz
80 ± 3dB / 200mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
400~7,000 Hz Average SPL-10dB
5% Maximum at 1,000Hz. 200mW
-25°C to +50°C
-25°C to +55°C
5.0gms



HOUSING MATERIAL : ABS

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖





# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺 寸
NOMINAL IMPEDANCE	阻 值
POWER RATING	設 定 值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重 量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖

## APPLICATIONS

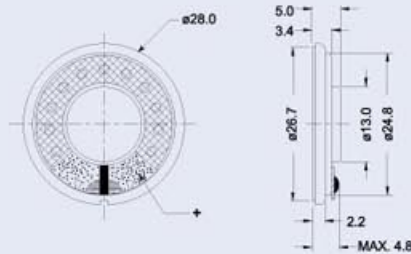
- Handy Video Games
- Computer Peripherals
- Electric Dictionary
- Computer Modems
- Communication Equipments

## 適用範圍

- 掌上型遊樂器
- 電腦周邊
- 電子字典
- 數據機
- 通訊設備

### OBO-28008F-01

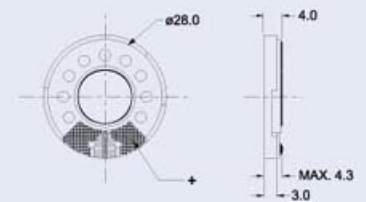
28.0mm × 2.2mm
8Ω ± 20% at 1,200Hz
Normal 200mW / Max. 500mW
650Hz ± 150Hz
81 ± 3dB / 200mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
350~6,500Hz Average SPL-10dB
5% Maximum at 1,200Hz. 200mW
-25°C to +50°C
-25°C to +55°C
6.0 gms



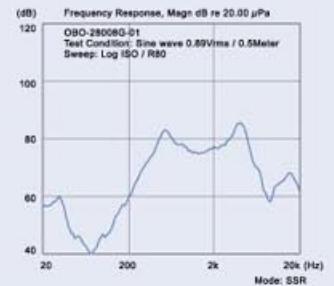
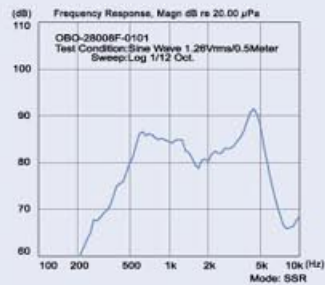
HOUSING MATERIAL : METAL

### OBO-28008G-01

28.0mm × 3.0mm
8Ω ± 15% at 700Hz
Normal 100mW / Max. 200mW
500Hz ± 150Hz
76 ± 3dB / 100mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0 KHz
350~8,000Hz Average SPL-10dB
5% Maximum at 800Hz. 100mW
-25°C to +50°C
-25°C to +55°C
2.9gms



HOUSING MATERIAL: ABS





DIMENSIONS	尺 寸
NOMINAL IMPEDANCE	阻 值
POWER RATING	設 定 值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重 量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖

## APPLICATIONS

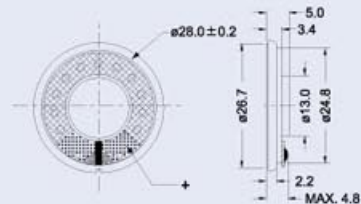
- Handy Video Games
- Computer Peripherals
- Electric Dictionary
- Computer Modems
- Communication Equipments

## 適用範圍

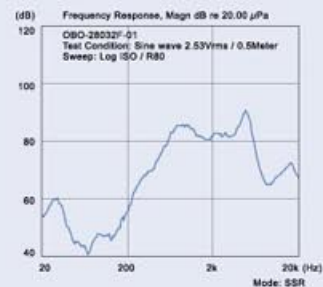
- 掌上型遊戲器
- 電腦周邊
- 電子字典
- 數據機
- 通訊設備

### OBO-28032F-01

28.0mm × 4.8mm
32Ω ± 15% at 1,200Hz
Normal 200mW / Max. 500mW
650Hz ± 150Hz
81 ± 3dB / 200mW / 0.5Meter
Average at 0.8, 1.0, 1.2, 1.5KHz
350~8,000Hz Average SPL-10dB
5% Maximum at 1,000Hz. 200mW
-25°C to +50°C
-25°C to +55°C
5.8gms



HOUSING MATERIAL: METAL



# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺寸
NOMINAL IMPEDANCE	阻值
POWER RATING	設定值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖

## APPLICATIONS

- Handy Video Games
- Computer Peripherals
- Electric Dictionary
- Computer Moderns
- Communication Equipments

## 適用範圍

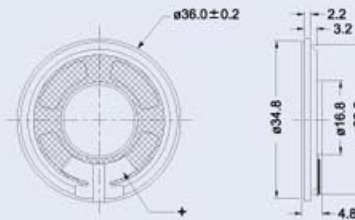
- 掌上型遊戲器
- 電腦周邊
- 電子字典
- 數據機
- 通訊設備

### OBO-36008F-01

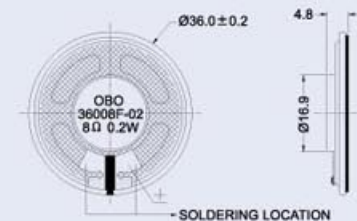
36.0mm×4.8mm
8Ω±15% at 1,000Hz
Normal 100mW / Max. 200mW
400Hz±150Hz
80±3dB / 100mW / 0.5Meter
Average at 0.8, 1.0, 1.2, 1.5KHz
300~6,000Hz Average SPL-10dB
5% Maximum at 1,000Hz. 100mW
-25°C to +50°C
-25°C to +55°C
7.5gms

### OBO-36008F-02

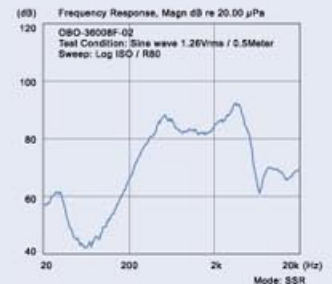
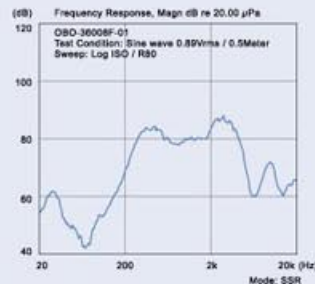
36.0mm×4.8mm
8Ω±15% at 900Hz
Normal 200mW / Max. 500mW
550Hz±150Hz
83±3dB / 200mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
350~6,000Hz Average SPL-10dB
5% Maximum at 1,000Hz. 200mW
-25°C to +50°C
-25°C to +55°C
8.5gms



HOUSING MATERIAL : METAL



Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖



# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺寸
NOMINAL IMPEDANCE	阻值
POWER RATING	設定值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖

## APPLICATIONS

- Handy Video Games
- Computer Peripherals
- Electric Dictionary
- Computer Modems
- Communication Equipments

## 適用範圍

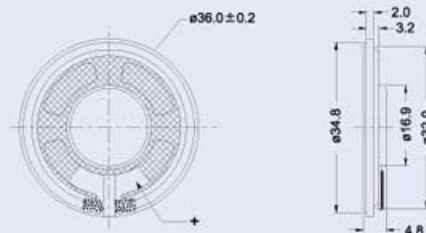
- 掌上型遊樂器
- 電腦周邊
- 電子字典
- 數據機
- 通訊設備

### OBO-36008F-03

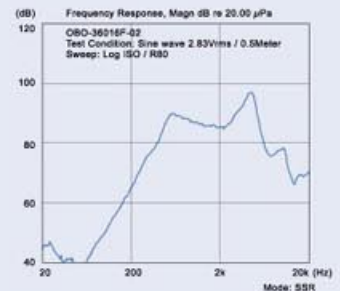
36.0mm×4.8mm
8Ω±15% at 1,200Hz/1.0V
Normal 500mW / Max. 1,000mW
530Hz±150Hz
86±3dB / 500mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
350~6,800Hz Average SPL-10dB
5% Maximum at 1,000Hz. 500mW
-25°C to +50°C
-25°C to +55°C
8.3gms

### OBO-36016F-02

36.0mm×4.8mm
16Ω±15% at 1,000Hz/1.0V
Normal 500mW / Max. 1,000mW
530Hz±150Hz
85±3dB / 500mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
350~11,000Hz Average SPL-10dB
5% Maximum at 1,000Hz. 500mW
-25°C to +50°C
-25°C to +55°C
8.5gms



HOUSING MATERIAL: METAL



# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺寸
NOMINAL IMPEDANCE	阻值
POWER RATING	設定值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

## APPLICATIONS

- Handy Video Games
- Computer Peripherals
- Electric Dictionary
- Computer Modems
- Communication Equipments

## 適用範圍

- 掌上型遊戲器
- 電腦周邊
- 電子字典
- 數據機
- 通訊設備

### OBO-36032F-01

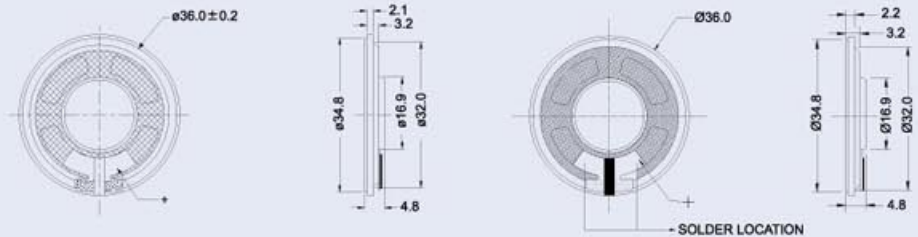
36.0mm×4.8mm
32Ω±15% at 1,000Hz/1V
Normal 100mW / Max. 200mW
400Hz±150Hz
80±3dB / 100mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
300~5,000Hz Average SPL-10dB
5% Maximum at 1,000Hz. 100mW
-25°C to +50°C
-25°C to +55°C
8.5gms

### OBO-36025F-01

36.0mm×4.8mm
25Ω±15% at 1,000Hz
Normal 200mW / Max. 500mW
500Hz±150Hz
83±3dB / 200mW / 0.5Meter
Average at 0.8, 1.0, 1.2, 1.5KHz
320~7,200Hz Average SPL-10dB
5% Maximum at 1,000Hz. 200mW
-25°C to +50°C
-25°C to +55°C
8.5gms

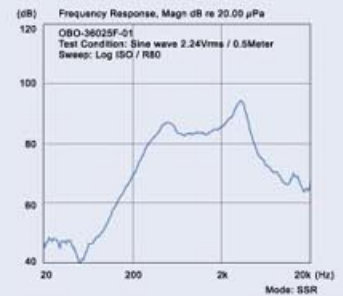
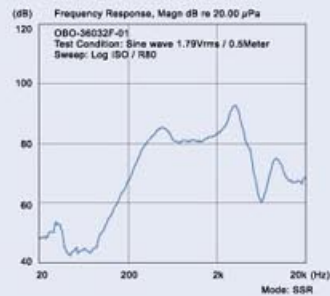
OBO 36032F-01 Mylar Speaker

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖



HOUSING MATERIAL : METAL

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖



# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺寸
NOMINAL IMPEDANCE	阻值
POWER RATING	設定值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖

## APPLICATIONS

- Handy Video Games
- Computer Peripherals
- Electric Dictionary
- Computer Moderns
- Communication Equipments

## 適用範圍

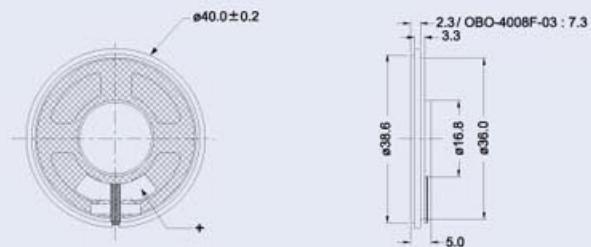
- 掌上型遊戲器
- 電腦周邊
- 電子字典
- 數據機
- 通訊設備

### OBO-40008F-01

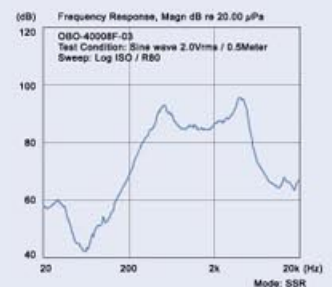
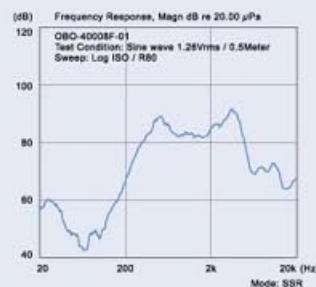
40.0mm×5.0mm
8Ω±15% at 800Hz /1V
Normal 200mW / Max. 500mW
500Hz±150Hz
80±3dB / 200mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
350~8,000Hz Average SPL-10dB
5% Maximum at 800Hz. 200mW
-25°C to +50°C
-25°C to +55°C
9.2gms

### OBO-40008F-03

40.0mm×5.0mm
8Ω±15% at 1,000Hz /1V
Normal 500mW / Max. 1,000mW
550Hz±150Hz
84±3dB / 500mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
350~5,800Hz Average SPL-10dB
5% Maximum at 1,200Hz. 500mW
-25°C to +50°C
-25°C to +55°C
9.45gms



HOUSING MATERIAL : METAL



# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺寸
NOMINAL IMPEDANCE	阻值
POWER RATING	設定值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖

## APPLICATIONS

- Handy Video Games
- Computer Peripherals
- Electric Dictionary
- Computer Moderns
- Communication Equipments

## 適用範圍

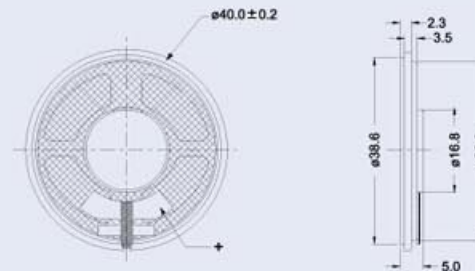
- 掌上型遊樂器
- 電腦周邊
- 電子字典
- 數據機
- 通訊設備

### OBO-40008F-04

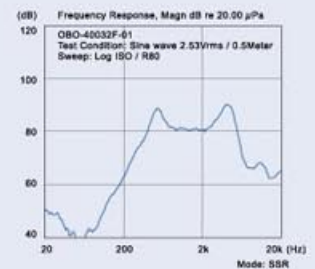
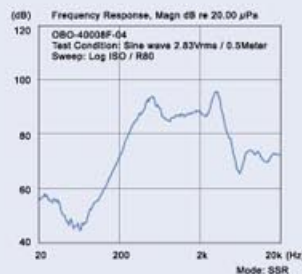
40.0mm×5.0mm
8Ω±15% at 1,000Hz /1.0V
Normal 1.0W / Max. 2.0W
550Hz±150Hz
87±3dB / 1.0W / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
350~5,000Hz Average SPL-10dB
5% Maximum at 1,200Hz. 1.0W
-25°C to +50°C
-25°C to +55°C
9.2gms

### OBO-40032F-01

40.0mm×5.0mm
32Ω±15% at 1,000Hz
Normal 200mW / Max. 500mW
560Hz±150Hz
80±3dB / 200mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
320~6,500Hz Average SPL-10dB
5% Maximum at 1,000Hz. 200mW
-25°C to +50°C
-25°C to +55°C
9.5gms



HOUSING MATERIAL: METAL



# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺寸
NOMINAL IMPEDANCE	阻值
POWER RATING	設定值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖

## APPLICATIONS

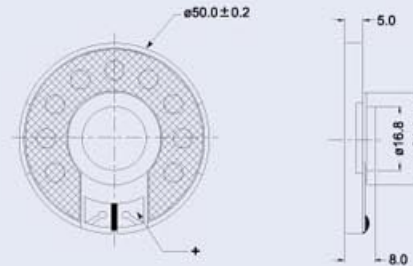
- Handy Video Games
- Computer Peripherals
- Electric Dictionary
- Computer Modems
- Communication Equipments

## 適用範圍

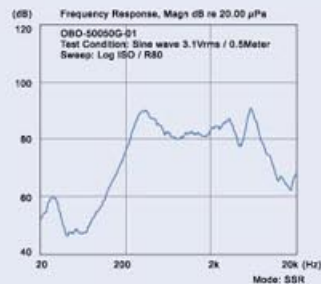
- 掌上型遊樂器
- 電腦周邊
- 電子字典
- 數據機
- 通訊設備

### OBO-50050G-01

50.0mm × 8.0mm
50Ω ± 15% at 600Hz / 1.0V
Normal 200mW / Max. 500mW
400Hz ± 150Hz
81 ± 3dB / 200mW / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0 KHz
250~10,000Hz Average SPL-10dB
5% Maximum at 1,000Hz. 200mW
-25°C to +50°C
-25°C to +55°C
10.5gms



HOUSING MATERIAL: ABS





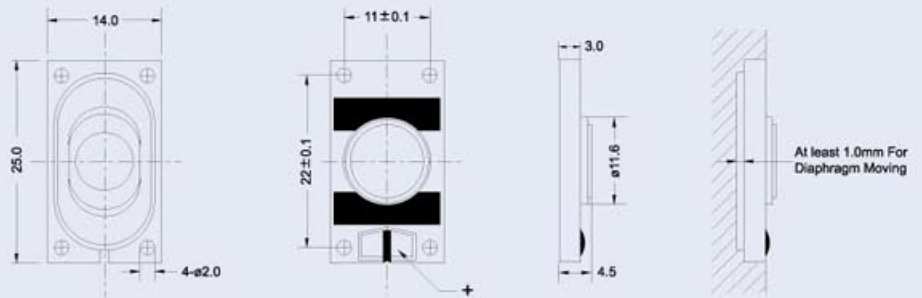
# MYLAR SPEAKER

# 薄膜喇叭



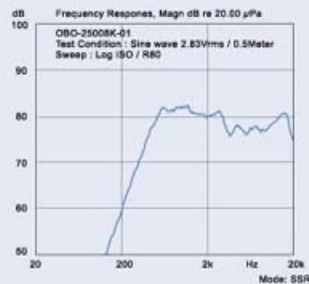
DIMENSIONS	尺寸
NOMINAL IMPEDANCE	阻值
POWER RATING	設定值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖



HOUSING MATERIAL : ABS

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖



## FEATURES

- Compact size, rich sound
- Notebook PC / LCD Monitor
- Multimedia Device

## 特色

- 輕小尺寸，高音值
- 應用於筆記型PC及LCD螢幕顯示器
- 多媒體設備

## OBO-25008K-01

25.0mm × 14mm
8Ω ± 15% at 1,800Hz / 1.0v
Normal 1 W / Max.2W
800Hz ± 150Hz
81 ± 3dB / 1W / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
F0~20,000 Hz Average SPL-10dB
5% Maximum at 1,400Hz. 100mW
-25°C to +50°C
-25°C to +55°C
1.7gms

# MYLAR SPEAKER

# 薄膜喇叭



DIMENSIONS	尺 寸
NOMINAL IMPEDANCE	阻 值
POWER RATING	設 定 值
LOWEST RESONANT FREQUENCY	最低頻率
OUTPUT SOUND PRESSURE LEVEL (S.P.L.)	輸出音壓
FREQUENCY RANGE	頻率範圍
DISTORTION	失真程度
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重 量

Dimensions  
(Unit: ±0.3mm)  
輪廓尺寸圖

Frequency Response Curve  
(Distance: 0.5m)  
頻率響應圖

## APPLICATIONS

- Notebook PC
- Electric Dictionary
- LCD Monitor
- Multimedia Device

## 適用範圍

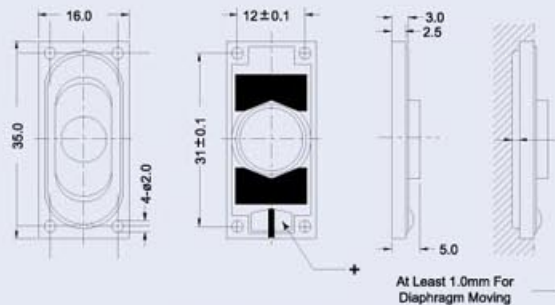
- 筆記型PC
- 電子字典
- LCD螢幕顯示器
- 多媒體設備

### OBO-35004K-01

16.0mm × 5.0mm
4Ω ± 15% at 1,100Hz
Normal 1.0W / Max. 2.0W
600Hz ± 150Hz
81 ± 3dB / 1.0W / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
F0~20,000Hz Average SPL-10dB
5% Maximum at 1,000Hz. 1.0W
-25°C to +50°C
-25°C to +55°C
2.6gms

### OBO-35008K-01

16.0mm × 5.0mm
8Ω ± 15% at 1,200Hz
Normal 1.0W / Max. 2.0W
600Hz ± 150Hz
81 ± 3dB / 1.0W / 0.5Meter
Average at 1.0, 1.2, 1.5, 2.0KHz
450~20,000Hz Average SPL-10dB
5% Maximum at 1,000Hz. 1.0W
-25°C to +50°C
-25°C to +55°C
2.6gms



HOUSING MATERIAL: ABS

