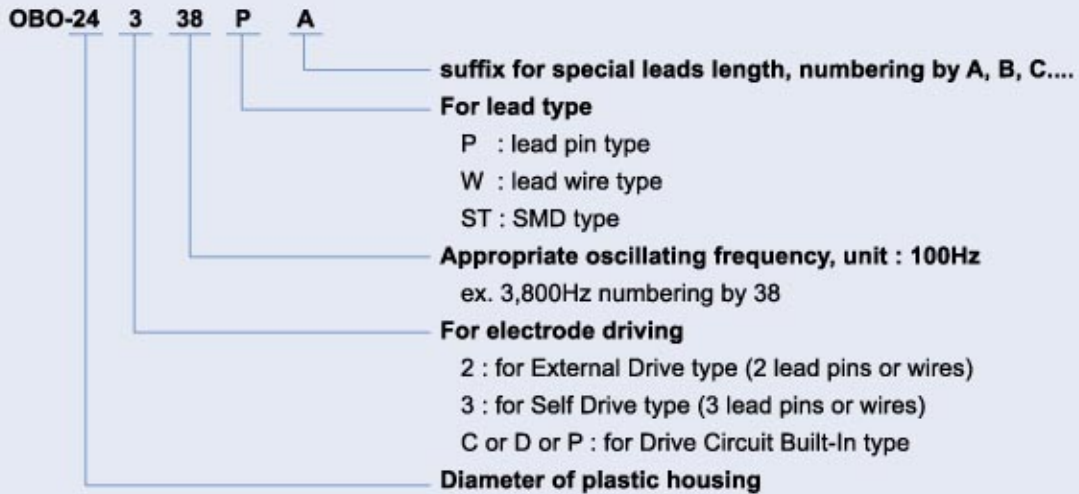
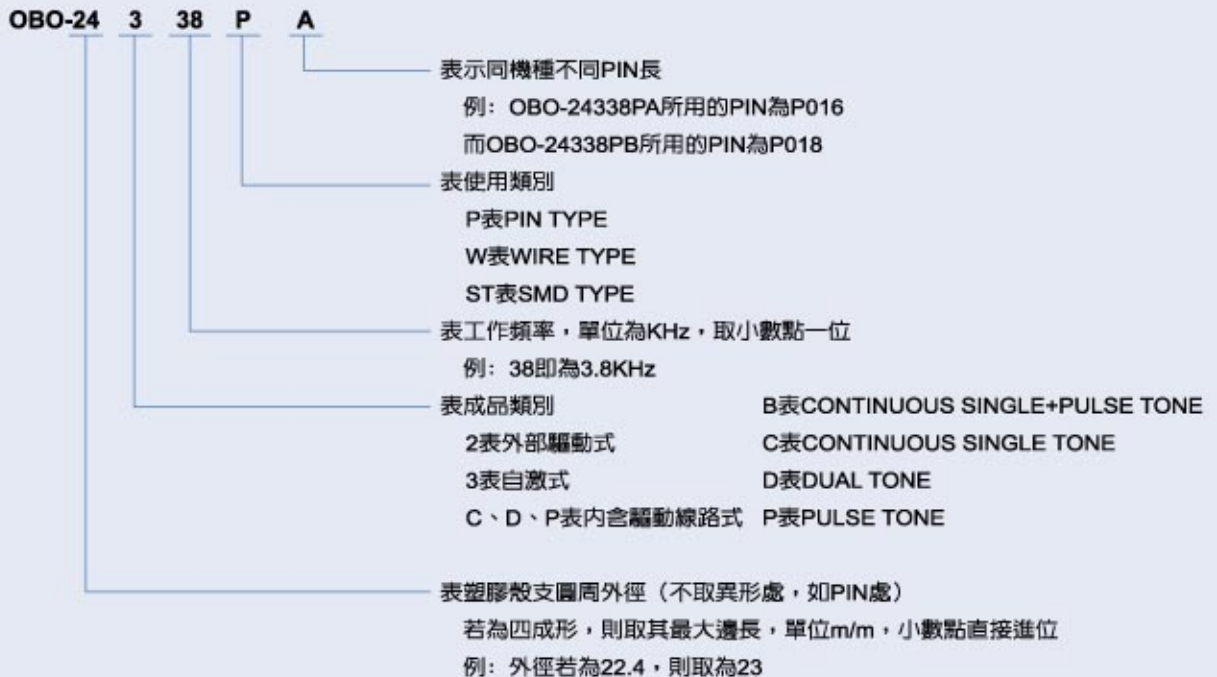


PART NUMBERING SYSTEM



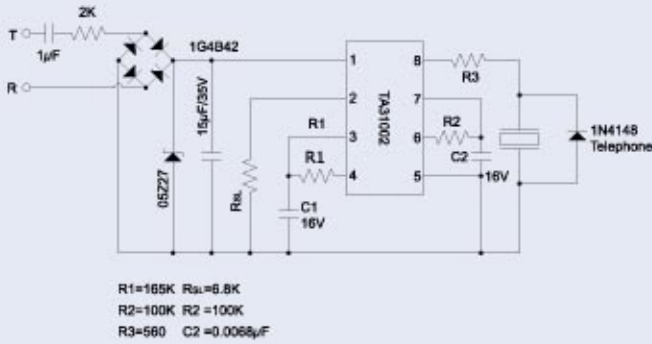
成品編號原則



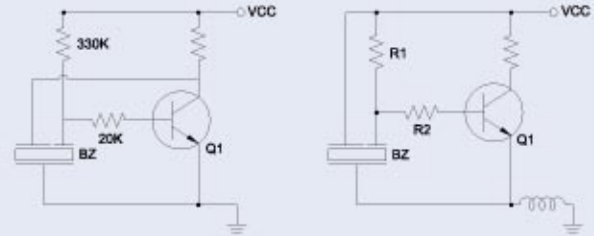
RECOMMENDED CIRCUIT PIEZOELECTRIC BUZZER

應用線路

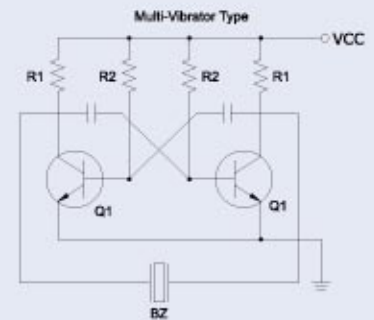
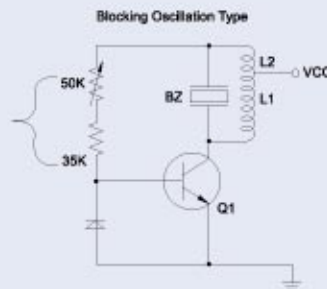
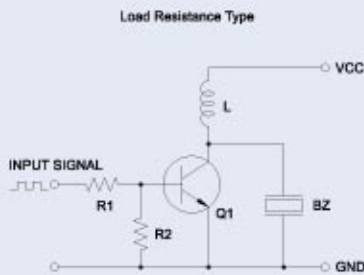
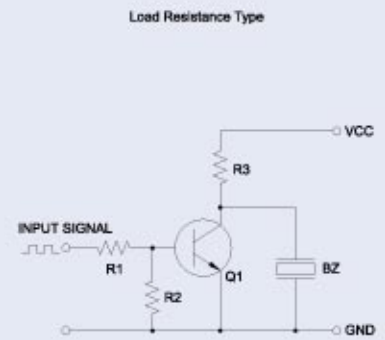
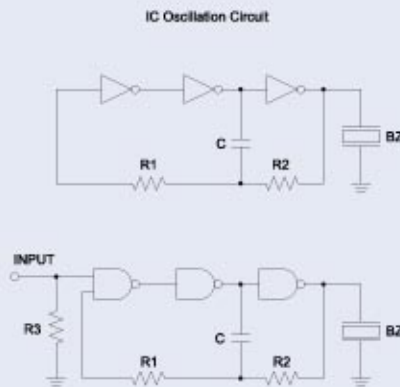
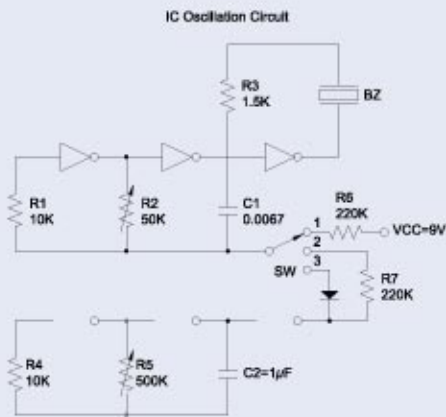
(1) Telephone Ringer Type



(2) Self-Oscillation Circuit (Tr-Type)



(3) External-Drive Circuits



PIEZOELECTRIC RECEIVER FOR TELEPHONE

壓電受話器



FREQUENCY RANGE	頻率範圍
SOUND PRESSURE LEVEL	輸出音壓
IMPEDANCE	輸出阻抗
ALLOWABLE INPUT VOLTAGE	承受電壓
CAPACITANCE	靜電容量
CASE MATERIAL	塑膠規格
LEAD WIRE	導線規格
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions (Unit: mm ± 0.5)

Sound Pressure Level vs. Frequency

FEATURES

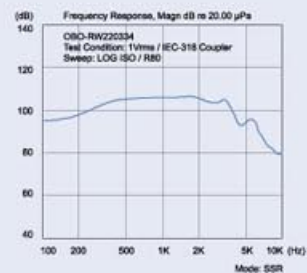
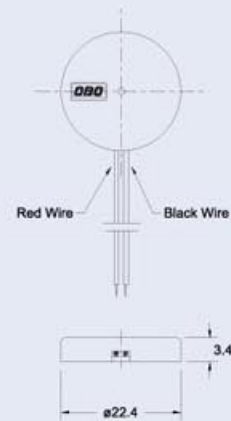
- Emit a clear penetrating sound
- Low power consumption
- Can be driven directly by ICs
- Extremely thin and light
- Low frequency and multi-frequency capability
- Speaker & microphone capability
- No EMI / RFI

特點

- 清晰而透澈的聲音
- 低耗電流
- 可直接由IC驅動
- 薄而輕
- 低頻率且寬頻率功能
- 具喇叭及麥克風之性能
- 無電磁及射頻的功能

OBO-RW220334

300Hz to 3,400Hz
108 ± 3dB (1Vrms, 1KHz by IEC-318 Coupler)
2.0KΩ ± 30% (at 1KHz)
5Vrms max.
90,000pF ± 30% (at 120Hz)
ABS (UL 94HB)
UL1571 AWG32 85mm ± 5.0mm
-20°C to +60°C
-30°C to +70°C
1.3gms



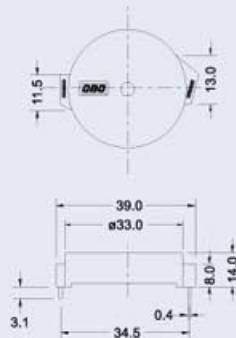
TELEPHONE RINGER

電話鈴

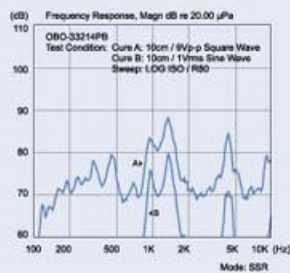


SOUND PRESSURE LEVEL	輸出音壓
CAPACITANCE	靜電容量
ALLOWABLE INPUT VOLTAGE	承受電壓
CURRENT CONSUMPTION	消耗電流
CASE MATERIAL	塑膠規格
LEAD WIRE	導線規格
LEAD PIN MATERIAL	導針規格
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions (Unit: mm ± 0.5)



Sound Pressure Level vs. Frequency



FEATURES

- Emit a clear penetrating sound
- Low power consumption
- Can be driven directly by ICs
- Extremely thin and light
- Low frequency and multi-frequency capability
- No EMI / RFI

特點

- 清晰而透澈的聲音
- 低耗電流
- 可直接由IC驅動
- 薄且輕
- 低頻率且多頻率功能
- 無電磁及射頻的干擾

OBO-33214PB

85dB min. at 1.4KHz / 9Vp-p Square Wave / 10cm
75dB min. at 1.4KHz / 1Vrms Sine Wave / 10cm
40,000pF ± 30% at 120Hz
30Vp-p max.
3mA max. at 1.4KHz / 9Vp-p Square Wave
PC (UL94V-2)

Phosphor Bronze

-20°C to +70°C

-40°C to +85°C

5.3gms

OBO-35T2

80dB min. at 1.2KHz / 9Vp-p Square Wave / 10cm
70dB min. at 1.2KHz / 1Vrms Sine Wave / 10cm
47,000pF ± 30% at 120Hz
40Vp-p max.
3mA max. at 1.2KHz / 9Vp-p Square Wave
ABS (UL 94HB)

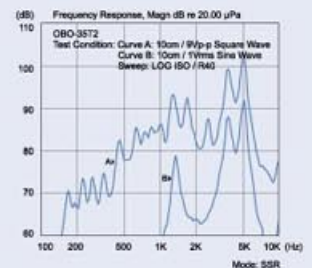
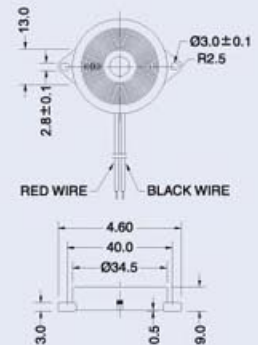
UL1095 AWG28

110mm ± 5.0mm

-20°C to +60°C

-30°C to +70°C

5.3gms



TELEPHONE RINGER

電話鈴



SOUND PRESSURE LEVEL	輸出音壓
CAPACITANCE	靜電容量
ALLOWABLE INPUT VOLTAGE	承受電壓
CURRENT CONSUMPTION	消耗電流
CASE MATERIAL	塑膠規格
LEAD WIRE	導線規格
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions (Unit: mm ± 0.5)

FEATURES

- Emit a clear penetrating sound
- Low power consumption
- Can be driven directly by ICs
- Extremely thin and light
- Low frequency and multi-frequency capability
- No EMI / RFI

特點

- 清晰而透澈的聲音
- 低耗電流
- 可直接由IC驅動
- 薄且輕
- 低頻率且多頻率功能
- 無電磁及射頻的干擾

OBO-35T4

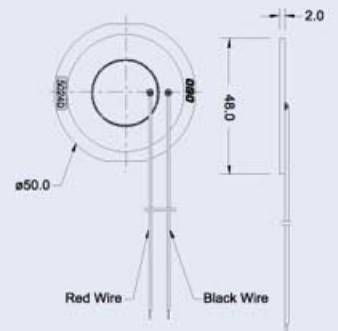
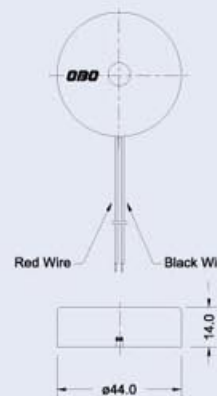
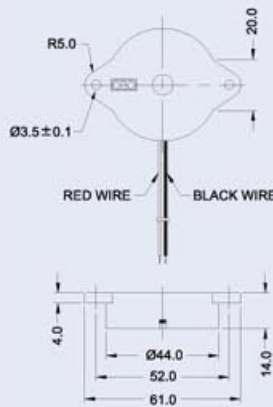
80dB min. at 800Hz / 9Vp-p Square Wave / 10cm
70dB min. at 800Hz / 1Vrms Sine Wave / 10cm
77,000pF ± 30% at 120Hz
40Vp-p max.
4mA max. at 800Hz / 9Vp-p Square Wave
ABS (UL 94HB)
UL1095 AWG28
110mm ± 5.0mm
-20°C to +60°C
-30°C to +70°C
10.5 gms

OBO-35T9

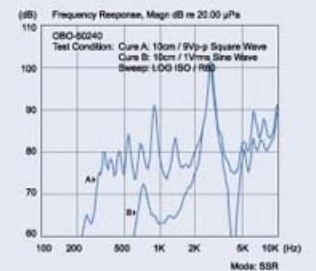
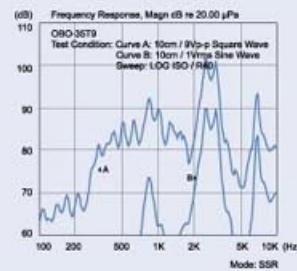
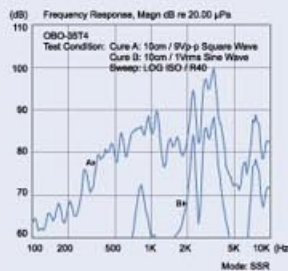
80dB min. at 800Hz / 9Vp-p Square Wave / 10cm
70dB min. at 800Hz / 1Vrms Sine Wave / 10cm
77,000pF ± 30% at 120Hz
40Vp-p max.
4mA max. at 800Hz / 9Vp-p Square Wave
ABS (UL 94HB)
UL1095 AWG28
110mm ± 5.0mm
-20°C to +60°C
-30°C to +70°C
9.8gms

OBO-50240

80dB min. at 700Hz / 9Vp-p Square Wave / 10cm
70dB min. at 700Hz / 3Vrms Sine Wave / 10cm
60,000pF ± 30% at 120Hz
30Vp-p max.
4mA max. at 700Hz / 9Vp-p Square Wave
ABS (UL 94HB)
UL1095 AWG28
135mm ± 5.0mm
-20°C to +60°C
-30°C to +70°C
3.5gms



Sound Pressure Level vs. Frequency



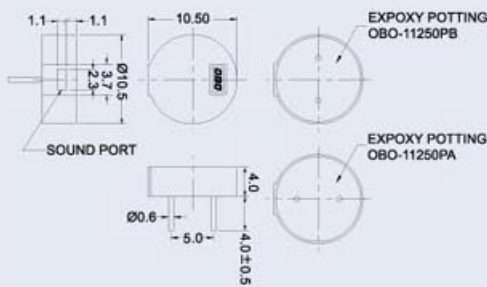
EXTERNAL DRIVE TYPE

外部驅動式

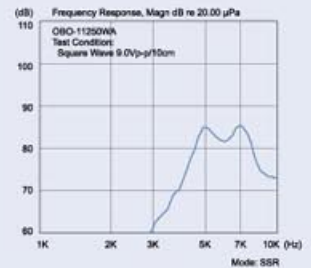
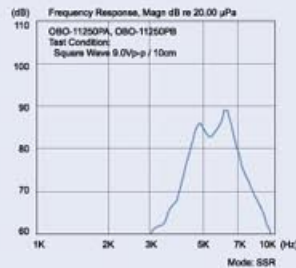


SOUND PRESSURE LEVEL	輸出音壓
CAPACITANCE	靜電容量
ALLOWABLE INPUT VOLTAGE	承受電壓
CURRENT CONSUMPTION	消耗電流
CASE MATERIAL	塑膠規格
LEAD PIN MATERIAL	導針規格
LEAD WIRE	導線規格
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions (Unit: mm ± 0.5)



Sound Pressure Level vs. Frequency



APPLICATIONS

- PDA, Digital Camera
- Home appliances (microwaves, ovens, refrigerators, etc.)
- Communication equipments
- Computer peripherals and office equipments
- Instruments, etc.

適用範圍

- PDA、數位相機
- 家電用品 (微波爐、電暖爐、冰箱等)
- 通訊設備
- 電腦周邊零組件，辦公室設備
- 儀器設備

OBO-11250PA / 11250PB

80dB min. at 5.0KHz / 9Vp-p
Square Wave / 10cm
9,500pF ± 30% at 120Hz
15Vp-p max.
3mA max. at 5.0KHz / 9Vp-p
Square Wave
PBT
Bronze
-20°C to +70°C
-40°C to +85°C
0.4gms

OBO-11250WA

80dB min. at 5.0KHz / 9Vp-p
Square Wave / 10cm
9,500pF ± 30% at 120Hz
15Vp-p max.
3mA max. at 5.0KHz / 9Vp-p
Square Wave
ABS
UL1571 AWG32 25 ± 3mm
-20°C to +60°C
-30°C to +70°C
0.3gm

EXTERNAL DRIVE TYPE

外部驅動式



SOUND PRESSURE LEVEL 輸出音壓

CAPACITANCE 靜電容量

ALLOWABLE INPUT VOLTAGE 承受電壓

CURRENT CONSUMPTION 消耗電流

LEAD WIRE 導線規格

CASE MATERIAL 塑膠規格

LEAD PIN MATERIAL 導針規格

OPERATING TEMP. RANGE 操作溫度

STORAGE TEMP. RANGE 儲存溫度

WEIGHT 重量

Dimensions (Unit: mm ± 0.5)

Sound Pressure Level vs. Frequency

APPLICATIONS

- Music toys
- Home appliances (microwaves, ovens, refrigerators, etc.)
- Communication equipments
- Computer peripherals and office equipments
- Instruments, etc.

適用範圍

- 音樂玩具
- 家電用品 (微波爐、電暖爐、冰箱等)
- 通訊設備
- 電腦周邊零件，辦公室設備
- 儀器設備

OBO-13240PA

80dB min. at 4.0KHz / 9Vp-p

Square Wave / 10cm

70dB min. at 4.0KHz / 1Vrms

Sine Wave / 10cm

7,500pF ± 30% at 120Hz

15Vp-p max.

3mA max. at 4.0KHz / 9Vp-p

Square Wave

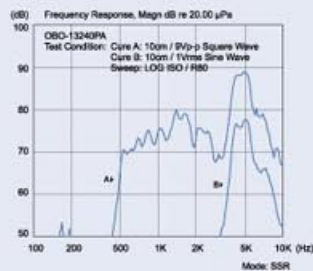
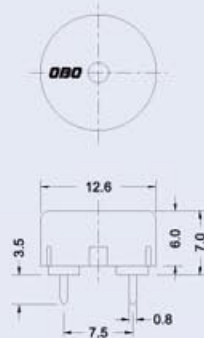
PBT (UL 94V-0)

Phosphor Bronze

-20°C to +70°C

-40°C to +85°C

0.7gm



OBO-152

80dB min. at 4.0KHz / 9Vp-p

Square Wave / 10cm

70dB min. at 4.0KHz / 1Vrms

Sine Wave / 10cm

14,000pF ± 30% at 120Hz

30Vp-p max.

3mA max. at 4.0KHz / 9Vp-p

Square Wave

UL1571 AWG32

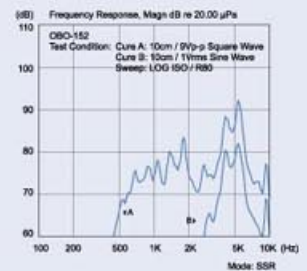
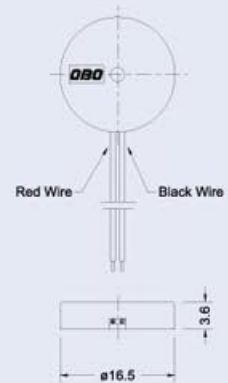
85mm ± 5.0mm

ABS (UL 94HB)

-20°C to +60°C

-30°C to +70°C

0.9gm



EXTERNAL DRIVE TYPE

外部驅動式

外部驅動式壓電蜂鳴器 Piezoelectric Buzzer



SOUND PRESSURE LEVEL 輸出音壓

CAPACITANCE 靜電容量

ALLOWABLE INPUT VOLTAGE 承受電壓

CURRENT CONSUMPTION 消耗電流

CASE MATERIAL 塑膠規格

LEAD PIN MATERIAL 導針規格

LEAD WIRE 導線規格

OPERATING TEMP. RANGE 操作溫度

STORAGE TEMP. RANGE 儲存溫度

WEIGHT 重量

Dimensions (Unit: mm ± 0.5)

APPLICATIONS

- Music toys
- Home appliances
(microwaves, ovens, refrigerators, etc.)
- Communication equipments
- Computer peripherals and office equipments
- Instruments, etc.

適用範圍

- 音樂玩具
- 家電用品
(微波爐、電暖爐、冰箱等)
- 通訊設備
- 電腦周邊零件，辦公室設備
- 儀器設備

OBO-14240PA / 14240PB / 14240PC

80dB min. at 4.0KHz / 9Vp-p

Square Wave / 10cm

70dB min. at 4.0KHz / 1Vrms

Sine Wave / 10cm

10,000pF ± 30% at 120Hz

15Vp-p max.

3mA max. at 4.0KHz / 9Vp-p

Square Wave

PBT (UL 94V-0)

Bronze

-20°C to +70°C

-40°C to +85°C

1.2gms

OBO-14240WA

80dB min. at 4.0KHz / 9Vp-p

Square Wave / 10cm

70dB min. at 4.0KHz / 1Vrms

Sine Wave / 10cm

10,000pF ± 30% at 120Hz

15Vp-p max.

3mA max. at 4.0KHz / 9Vp-p

Square Wave

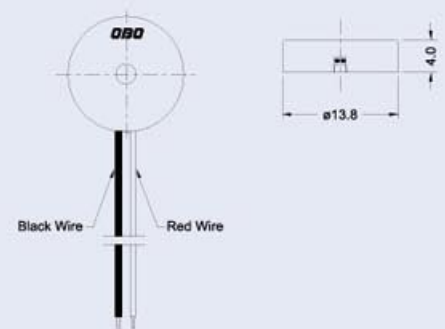
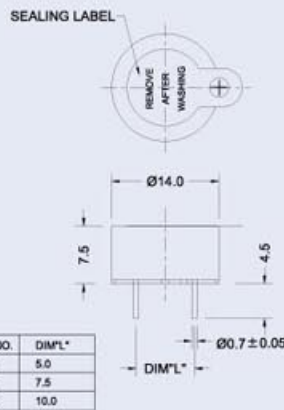
ABS (UL 94HB)

UL1571 AWG32 85 ± 5mm

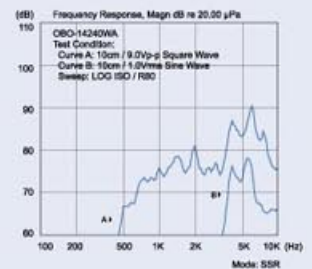
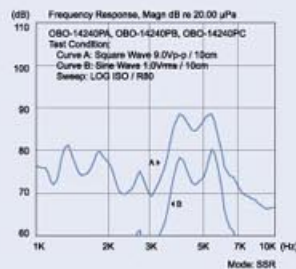
-20°C to +60°C

-30°C to +70°C

0.6gm



Sound Pressure Level vs. Frequency



EXTERNAL DRIVE TYPE

外部驅動式



SOUND PRESSURE LEVEL	輸出音壓
CAPACITANCE	靜電容量
ALLOWABLE INPUT VOLTAGE	承受電壓
CURRENT CONSUMPTION	消耗電流
CASE MATERIAL	塑膠規格
LEAD PIN MATERIAL	導針規格
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions (Unit: mm ± 0.5)

Sound Pressure Level vs. Frequency

APPLICATIONS

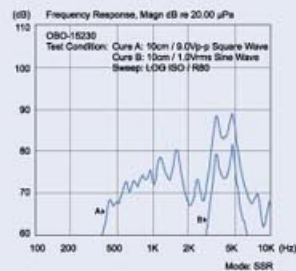
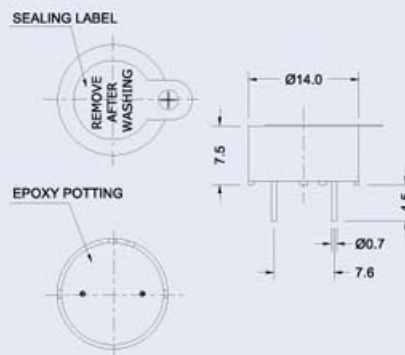
- Music toys
- Home appliances
(microwaves, ovens, refrigerators, etc.)
- Communication equipments
- Computer peripherals and office equipments
- Instruments, etc.

適用範圍

- 音樂玩具
- 家電用品
(微波爐、電暖爐、冰箱等)
- 通訊設備
- 電腦周邊零件、辦公室設備
- 儀器設備

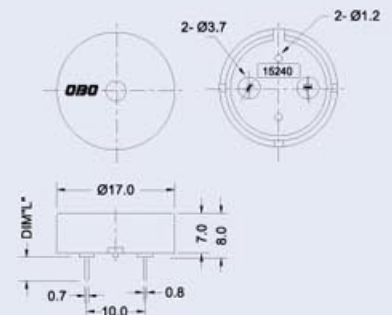
OBO-15230

80dB min. at 3.5KHz / 9Vp-p
Square Wave / 10cm
70dB min. at 3.5KHz / 1Vrms
Sine Wave / 10cm
12,000pF ± 30% at 120Hz
15Vp-p max.
3mA max. at 3.5KHz / 9Vp-p
Square Wave
PBT (UL 94V-0)
Bronze
-20°C to +70°C
-40°C to +85°C
1.2 gm

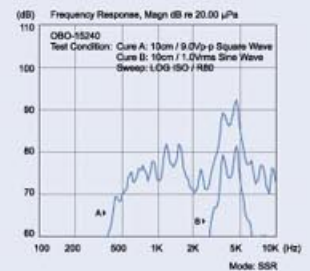


OBO-15240PA / OBO-15240PB

80dB min. at 4.0KHz / 9Vp-p
Square Wave / 10cm
70dB min. at 4.0KHz / 1Vrms
Sine Wave / 10cm
14,000pF ± 30% at 120Hz
30Vp-p max.
3mA max. at 4.0KHz / 9Vp-p
Square Wave
TOP CASE: PC (UL 94V-2)
BOTTOM CASE: PBT (UL 94V-0)
Phosphor Bronze (Sn Plated)
-20°C to +70°C
-40°C to +85°C
1.5gms



Model No.	DIM" L"
OBO-15240PA	6.5
OBO-15240PB	3.7



EXTERNAL DRIVE TYPE

外部驅動式



SOUND PRESSURE LEVEL 輸出音壓

CAPACITANCE 靜電容量

ALLOWABLE INPUT VOLTAGE 承受電壓

CURRENT CONSUMPTION 消耗電流

CASE MATERIAL 塑膠規格

LEAD WIRE 導線規格

OPERATING TEMP. RANGE 操作溫度

STORAGE TEMP. RANGE 儲存溫度

WEIGHT 重量

Dimensions (Unit: mm ± 0.5)

Sound Pressure Level vs. Frequency

APPLICATIONS

- Music toys
- Home appliances
(microwaves, ovens, refrigerators, etc.)
- Communication equipments
- Computer peripherals and office equipments
- Instruments, etc.

適用範圍

- 音樂玩具
- 家電用品
(微波爐、電暖爐、冰箱等)
- 通訊設備
- 電腦周邊零件，辦公室設備
- 儀器設備

OBO-202

90dB min. at 5.0KHz / 9Vp-p

Square Wave / 10cm

80dB min. at 5.0KHz / 1Vrms

Sine Wave / 10cm

12,000pF ± 30% at 120Hz

30Vp-p max.

4mA max. at 5.0KHz / 9Vp-p

Square Wave

ABS (UL 94HB)

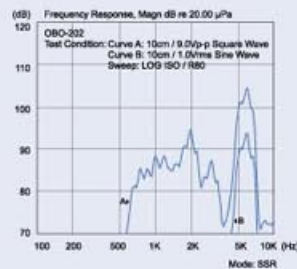
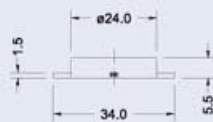
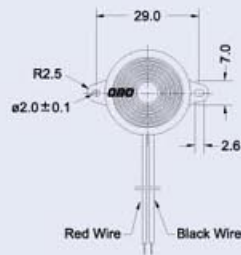
UL1095 AWG28

85mm ± 5.0mm

-20°C to +60°C

-30°C to +70°C

2.5gms



OBO-20235

85dB min. at 4.0KHz / 9Vp-p

Square Wave / 10cm

75dB min. at 4.0KHz / 1Vrms

Sine Wave / 10cm

25,000pF ± 30% at 120Hz

30Vp-p max.

4mA max. at 4.0KHz / 9Vp-p

Square Wave

ABS (UL 94HB)

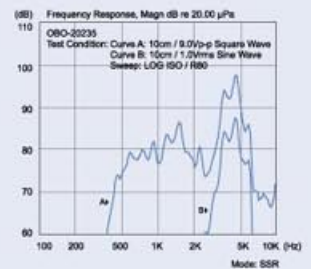
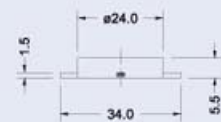
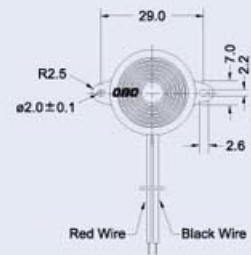
UL1571 AWG32

85mm ± 5.0mm

-20°C to +60°C

-30°C to +70°C

2.0gms



EXTERNAL DRIVE TYPE

外部驅動式



SOUND PRESSURE LEVEL	輸出音壓
CAPACITANCE	靜電容量
ALLOWABLE INPUT VOLTAGE	承受電壓
CURRENT CONSUMPTION	消耗電流
CASE MATERIAL	塑膠規格
LEAD PIN MATERIAL	導針規格
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions (Unit: mm ± 0.5)

APPLICATIONS

- Music toys
- Home appliances (microwaves, ovens, refrigerators, etc.)
- Communication equipments
- Computer peripherals and office equipments
- Instruments, etc.

適用範圍

- 音樂玩具
- 家電用品 (微波爐、電暖爐、冰箱等)
- 通訊設備
- 電腦周邊零組件，辦公室設備
- 儀器設備

OBO-20205PA / OBO-20205PB

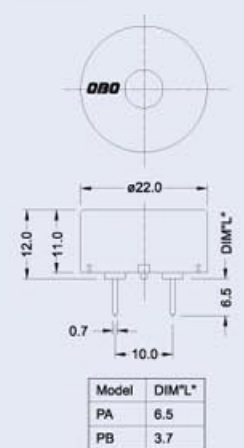
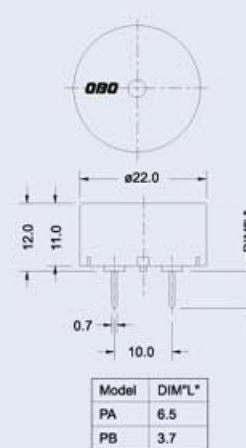
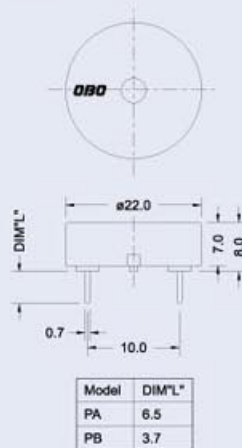
85dB min. at 4.0KHz / 9Vp-p Square Wave / 10cm
75dB min. at 4.0KHz / 1Vrms Sine Wave / 10cm
12,000pF ± 30% at 120Hz
30Vp-p max.
3mA max. at 4.0KHz / 9Vp-p Square Wave
PBT (UL 94V-0)
Phosphor Bronze (Sn Plated)
-20°C to +70°C
-40°C to +85°C
2.7gms

OBO-22220PA / OBO-22220PB

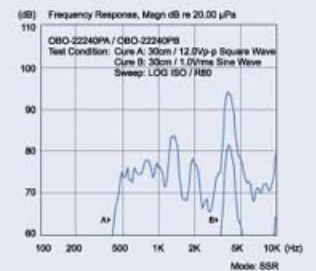
80dB min. at 2.0KHz / 9Vp-p Square Wave / 10cm
70dB min. at 2.0KHz / 1Vrms Sine Wave / 10cm
25,000pF ± 30% at 120Hz
30Vp-p max.
3mA max. at 2.0KHz / 9Vp-p Square Wave
PBT (UL 94V-0)
Phosphor Bronze (Sn Plated)
-20°C to +70°C
-40°C to +85°C
2.9gms

OBO-22240PA / OBO-22240PB

90dB min. at 4.0KHz / 12Vp-p Square Wave / 30cm
75dB min. at 4.0KHz / 1Vrms Sine Wave / 30cm
12,000pF ± 30% at 120Hz
30Vp-p max.
4mA max. at 4.0KHz / 12Vp-p Square Wave
PBT (UL 94V-0)
Phosphor Bronze (Sn Plated)
-20°C to +70°C
-40°C to +85°C
3.2gms



Sound Pressure Level vs. Frequency



EXTERNAL DRIVE TYPE

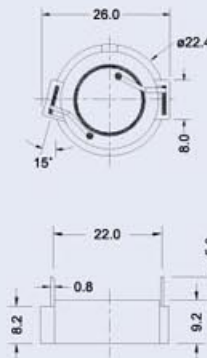
外部驅動式

圖樣式樣書號碼 Piezoelectric Buzzer

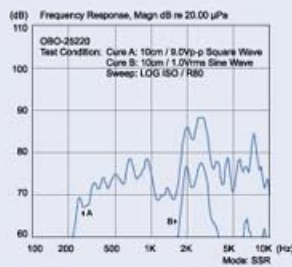


SOUND PRESSURE LEVEL	輸出音壓
CAPACITANCE	靜電容量
ALLOWABLE INPUT VOLTAGE	承受電壓
CURRENT CONSUMPTION	消耗電流
CASE MATERIAL	塑膠規格
LEAD PIN MATERIAL	導針規格
LEAD WIRE	導線規格
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions (Unit: mm ± 0.5)



Sound Pressure Level vs. Frequency



適用範圍

- 音樂玩具
- 家電用品
(微波爐、電暖爐、冰箱等)
- 通訊設備
- 電腦周邊零件、辦公室設備
- 儀器設備

APPLICATIONS

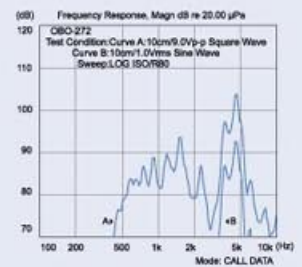
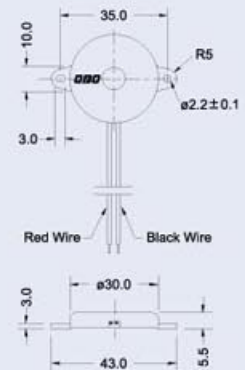
- Music toys
- Home appliances
(microwaves, ovens, refrigerators, etc.)
- Communication equipments
- Computer peripherals and office equipments
- Instruments, etc.

OBO-25220

80dB min. at 2.0KHz / 9Vp-p
Square Wave / 10cm
70dB min. at 2.0KHz / 1Vrms
Sine Wave / 10cm
25,000pF ± 30% at 120Hz
30Vp-p max.
3mA max. at 2.0KHz / 9Vp-p
Square Wave
PBT(UL 94V-0)
Phosphor Bronze
-20°C to +70°C
-40°C to +85°C
2.1gms

OBO-272

90dB min. at 4.4KHz / 9Vp-p
Square Wave / 10cm
80dB min. at 4.4KHz / 1Vrms
Sine Wave / 10cm
20,000pF ± 30% at 120Hz
30Vp-p max.
4mA max. at 4.4KHz / 9Vp-p
Square Wave
ABS (UL 94HB)
UL 1095 AWG28 85mm ± 5.0mm
-20°C to +60°C
-30°C to +70°C
4.7gms



EXTERNAL DRIVE TYPE

外部驅動式



SOUND PRESSURE LEVEL	輸出音壓
CAPACITANCE	靜電容量
ALLOWABLE INPUT VOLTAGE	承受電壓
CURRENT CONSUMPTION	消耗電流
CASE MATERIAL	塑膠規格
LEAD WIRE	導線規格
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions (Unit: mm ± 0.5)

APPLICATIONS

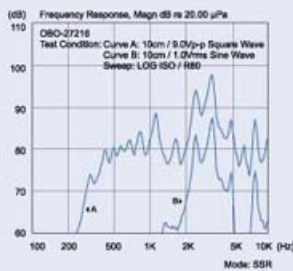
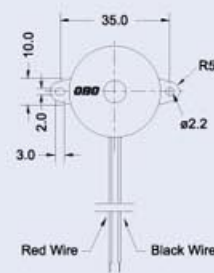
- Music toys
- Home appliances
(microwaves, ovens, refrigerators, etc.)
- Communication equipments
- Computer peripherals and office equipments
- Instruments, etc.

適用範圍

- 音樂玩具
- 家電用品
(微波爐、電暖爐、冰箱等)
- 通訊設備
- 電腦周邊零組件、辦公室設備
- 儀器設備

OBO-27216

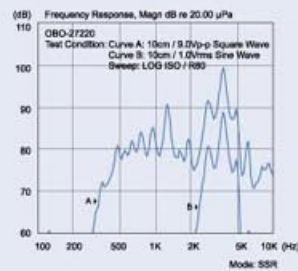
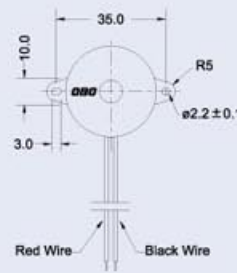
85dB min. at 2.5KHz / 9Vp-p
Square Wave / 10cm
75dB min. at 2.5KHz / 1Vrms
Sine Wave / 10cm
45,000pF ± 30% at 120Hz
30Vp-p max.
4mA max. at 2.5KHz / 9Vp-p
Square Wave
ABS (UL 94HB)
UL 1095 AWG28
85mm ± 5.0mm
-20°C to +60°C
-30°C to +70°C
3.5gms



Sound Pressure Level vs. Frequency

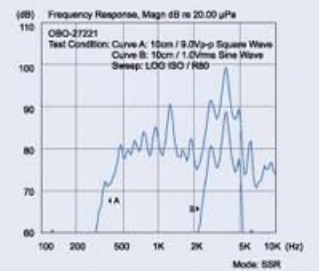
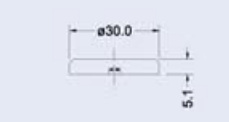
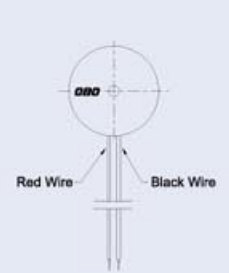
OBO-27220

85dB min. at 3.5KHz / 9Vp-p
Square Wave / 10cm
75dB min. at 3.5KHz / 1Vrms
Sine Wave / 10cm
24,000pF ± 30% at 120Hz
30Vp-p max.
4mA max. at 3.5KHz / 9Vp-p
Square Wave
ABS (UL 94HB)
UL 1095 AWG28
85mm ± 5.0mm
-20°C to +60°C
-30°C to +70°C
4.3gms



OBO-27221

85dB min. at 3.5KHz / 9Vp-p
Square Wave / 10cm
75dB min. at 3.5KHz / 1Vrms
Sine Wave / 10cm
24,000pF ± 30% at 120Hz
30Vp-p max.
4mA max. at 3.5KHz / 9Vp-p
Square Wave
ABS (UL 94HB)
UL 1095 AWG28
85mm ± 5.0mm
-20°C to +60°C
-30°C to +70°C
3.9gms



EXTERNAL DRIVE TYPE

外部驅動式

圖例代號: 壓電式 Piezoelectric Buzzer



SOUND PRESSURE LEVEL	輸出音壓
CAPACITANCE	靜電容量
ALLOWABLE INPUT VOLTAGE	承受電壓
CURRENT CONSUMPTION	消耗電流
CASE MATERIAL	塑膠規格
LEAD WIRE	導線規格
LEAD PIN MATERIAL	導針規格
OPERATING TEMP. RANGE	操作溫度
STORAGE TEMP. RANGE	儲存溫度
WEIGHT	重量

Dimensions (Unit: mm ± 0.5)

APPLICATIONS

- Music toys
- Home appliances (microwaves, ovens, refrigerators, etc.)
- Communication equipments
- Computer peripherals and office equipments
- Instruments, etc.

適用範圍

- 音樂玩具
- 家電用品 (微波爐、電暖爐、冰箱等)
- 通訊設備
- 電腦周邊零組件，辦公室設備
- 儀器設備

OBO-27225

85dB min. at 2.5KHz / 9Vp-p
Square Wave / 10cm
75dB min. at 2.5KHz / 1Vrms
Sine Wave / 10cm

20,000pF ± 30% at 120Hz

30Vp-p max.

3mA max. at 2.5KHz / 9Vp-p
Square Wave

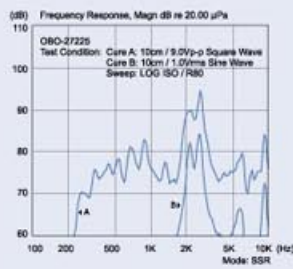
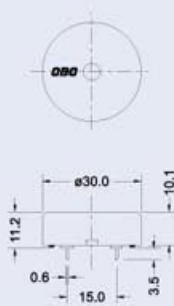
Top Case: PC (UL 94V-2)
Bottom Case: PBT (UL 94V-0)

Phosphor Bronze (Sn Plated)

-20°C to +70°C

-40°C to +85°C

5.5gms



Sound Pressure Level vs. Frequency

OBO-27246

90dB min. at 4.4KHz / 9Vp-p
Square Wave / 10cm
80dB min. at 4.4KHz / 1Vrms
Sine Wave / 10cm

20,000pF ± 30% at 120Hz

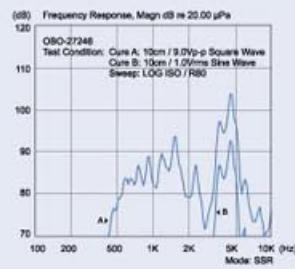
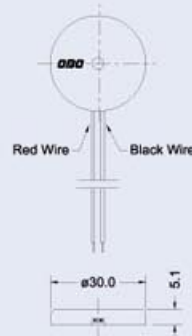
30Vp-p max.

4mA max. at 4.4KHz / 9Vp-p
Square Wave

ABS (UL 94HB)

UL 1095 AWG28

85mm ± 5.0mm



OBO-352

90dB min. at 2.5KHz / 9Vp-p
Square Wave / 10cm
80dB min. at 2.5KHz / 1Vrms
Sine Wave / 10cm

30,000pF ± 30% at 120Hz

30Vp-p max.

5mA max. at 2.5KHz / 9Vp-p
Square Wave

Top Case: PBT(UL 94V-0)
Bottom Case: ABS (UL 94HB)

UL 1095 AWG28

115mm ± 5.0mm

