

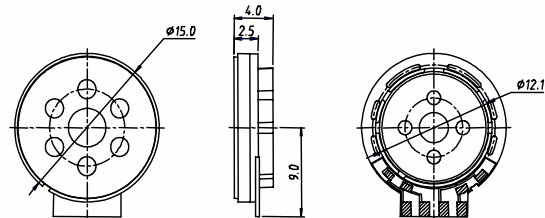
# Micro Speaker(PCB Two Way)

공개용

Model Name : PDC-1540P Series



## Mechanical Dimension



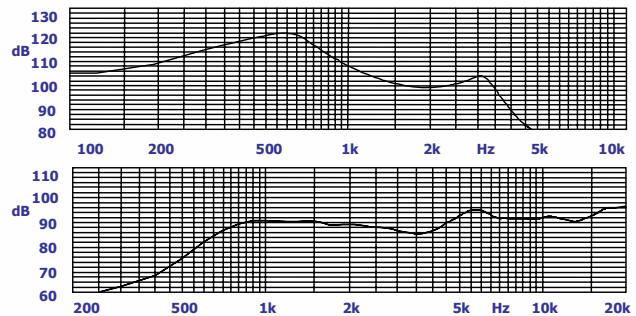
## Features

- 2 ways, Micro Speaker & Receiver for each side
- Less cost & assembly time
- Applicable to Mobile & Wireless Phone

## Electrical Characteristics

| Parameter   | Specification                | Unit     |
|---|------------------------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms  | 8/32                         | $\Omega$ |
| Sound Pressure Level<br>S:0.1W/at 0.1M , Avg. 4 Freq.<br>R:100mV,1KHz | S:88 $\pm$ 3 / R:108 $\pm$ 3 | dB       |
| Power Rating /Nom (Max)   | 0.5/1.0 & 10m/20m            | Watt     |
| Frequency Range (Fo)  | 0.65 ~ 20/0.3 ~3.4           | KHz      |
| Dimension (D X H)   | 15(R12) X 4.0                | mm       |

## Typical Frequency Response



공개용

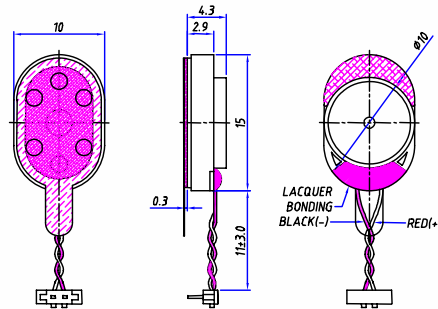
# Micro Speaker (Wire Leads)

공개용

Model Name : PSO-1015W Series



## Mechanical Dimension



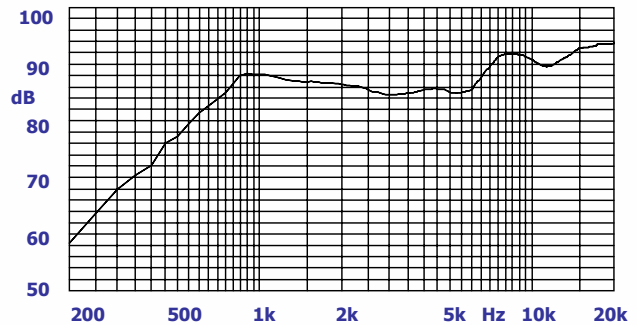
## Features

- Small size & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 87 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.7/1.0       | Watt     |
| Frequency Range (Fo)                                | 0.85 ~ 20     | KHz      |
| Dimension (W X L X H)                               | 10 X 15 X 4.3 | mm       |

## Typical Frequency Response



공개용

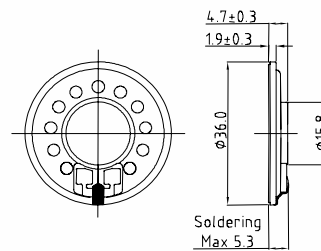
# Micro Speaker (PCB Contact)

공개용

Model Name : PSC-3647P Series



## Mechanical Dimension



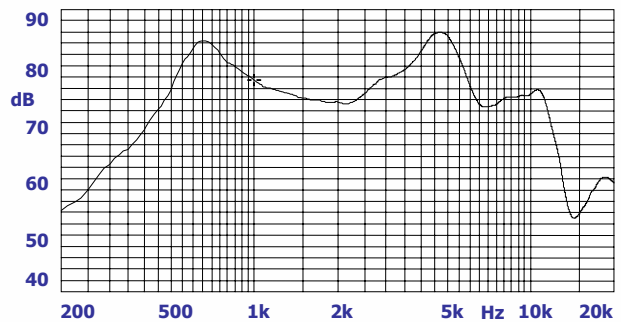
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Mobile Communication like Band Radio
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit |
|---|---------------|------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                    | 4             | Ω    |
| Sound Pressure Level<br>1W/at 0.5M , Avg. 4 Freq. | 86 ± 3        | dB   |
| Power Rating (Nom/Max)                            | 0.5 / 1.0     | Watt |
| Frequency Range (Fo)                              | 0.56 ~ 5      | KHz  |
| Dimension (D X H)                                 | 36 X 4.7      | mm   |

## Typical Frequency Response



공개용

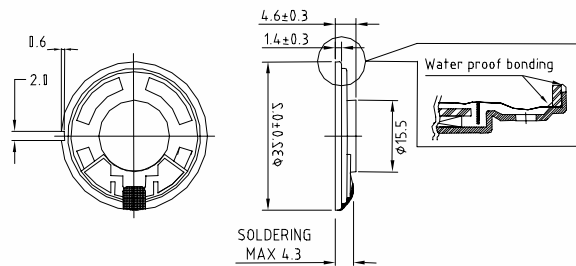
# Micro Speaker (PCB Contact)

공개용

Model Name : PSC-3246P Series



## Mechanical Dimension



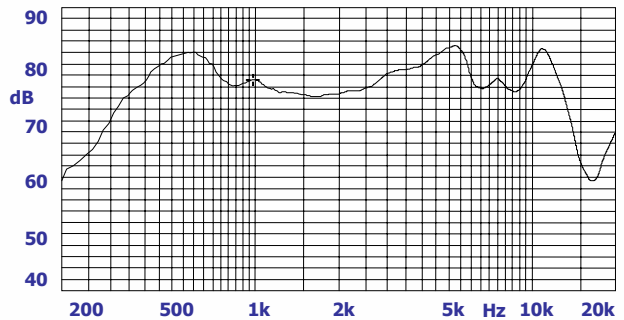
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Mobile Communication like Band Radio
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.0 KHz / 1.0 Vrms                   | 8             | $\Omega$ |
| Sound Pressure Level<br>1W/at 0.5M , Avg. 4 Freq. | 83 ± 3        | dB       |
| Power Rating (Nom/Max)                            | 0.5 / 1.0     | Watt     |
| Frequency Range (Fo)                              | 0.54 ~ 15     | KHz      |
| Dimension (D X H)                                 | 32 X 4.6      | mm       |

## Typical Frequency Response



공개용

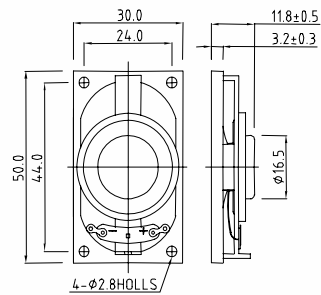
# Micro Square Speaker(Lug Termi

공개용

Model Name : PSQ-3050T Series



## Mechanical Dimension



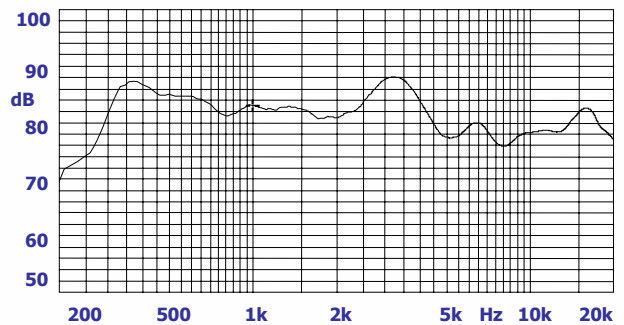
## Features

- Wide Frequency Range & High Sound Quality
- Easy Mountable by Screwing
- Applicable to High End Product like Digital Door Lock

## Electrical Characteristics

| Parameter   | Specification  | Unit     |
|---|----------------|----------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                      | 45             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.5M , Avg. 4 Freq. | 83 ± 3         | dB       |
| Power Rating (Nom/Max)                              | 2.0 / 3.0      | Watt     |
| Frequency Range (Fo)                                | 0.40 ~ 20      | KHz      |
| Dimension (W X L X H)                               | 30 X 50 X 11.8 | mm       |

## Typical Frequency Response



공개용

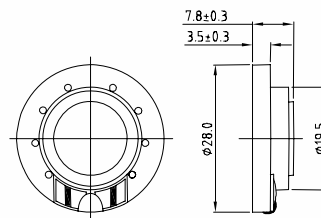
# Micro Ferrite Speaker (PCB Terminal)

공개용

Model Name : PSC-2878P Series



## Mechanical Dimension



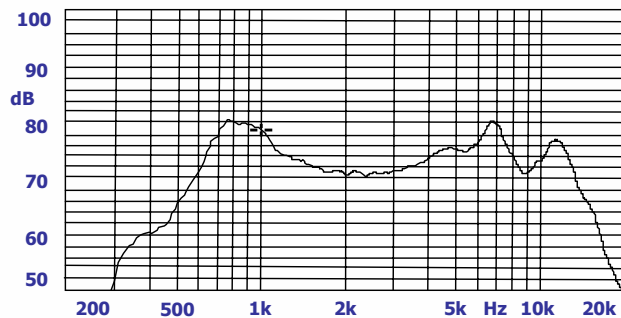
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Low End Product like Toy & Game
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                    | 8             | $\Omega$ |
| Sound Pressure Level<br>1W/at 0.5M , Avg. 4 Freq. | 80 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                            | 0.3 / 0.5     | Watt     |
| Frequency Range (Fo)                              | 0.85 ~ 10     | KHz      |
| Dimension (D X H)                                 | 28 X 7.8      | mm       |

## Typical Frequency Response



공개용

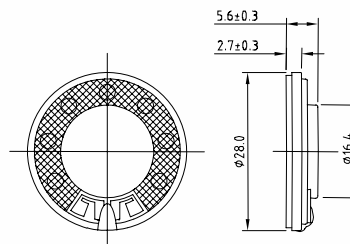
# Micro Speaker(PCB Terminal)

공개용

Model Name : PSC-2856P Series



## Mechanical Dimension



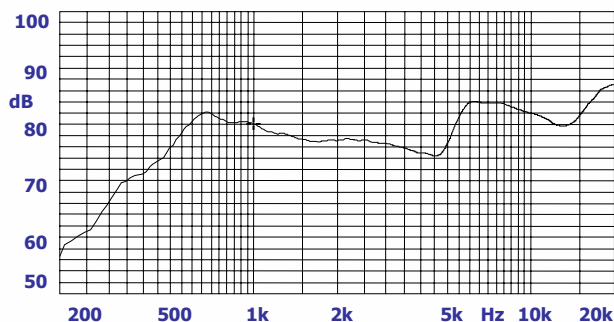
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Mobile Product like Navigation
- Custom design available

## Electrical Characteristics

| Parameter                                       | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                  | 8             | $\Omega$ |
| Sound Pressure Level<br>1W/at 1M , Avg. 4 Freq. | 80 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                          | 1.0 / 1.5     | Watt     |
| Frequency Range (Fo)                            | 0.6 ~ 7       | KHz      |
| Dimension (D X H)                               | 28 X 5.6      | mm       |

## Typical Frequency Response



공개용

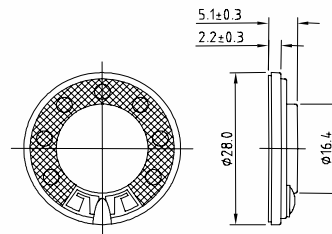
# Micro Speaker(PCB Terminal)

공개용

Model Name : PSC-2851P Series



## Mechanical Dimension



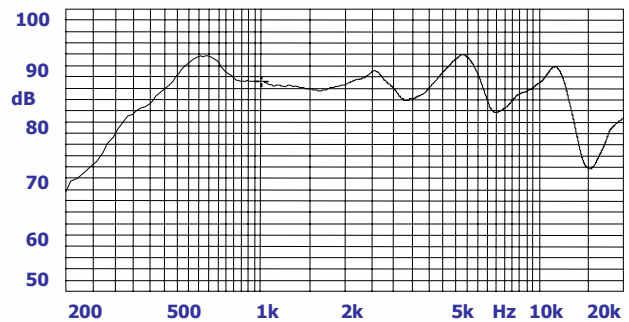
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Mobile Product like Navigation
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                    | 8             | $\Omega$ |
| Sound Pressure Level<br>1W/at 0.5M , Avg. 4 Freq. | 86 ± 3        | dB       |
| Power Rating (Nom/Max)                            | 0.5 / 1.0     | Watt     |
| Frequency Range (Fo)                              | 0.5 ~ 15      | KHz      |
| Dimension (D X H)                                 | 28 X 5.1      | mm       |

## Typical Frequency Response



공개용

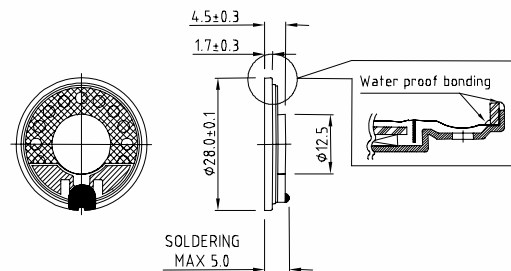
# Micro Speaker(PCB Contact)

공개용

Model Name : PSC-2850P Series



## Mechanical Dimension



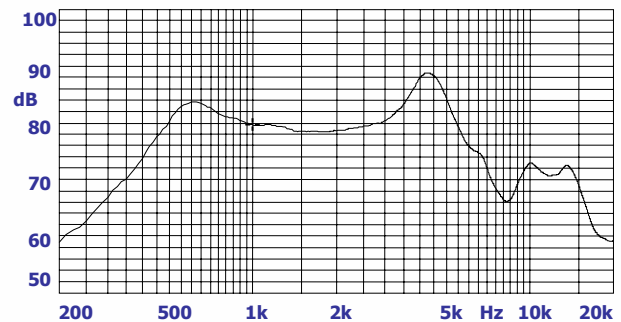
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Mobile Product like Navigation
- Custom design available

## Electrical Characteristics

| Parameter                                       | Specification | Unit |
|---|---------------|------|
| Impedance<br>2.0 KHz/ 0.6 Vrms                  | 8             | Ω    |
| Sound Pressure Level<br>1W/at 1M , Avg. 4 Freq. | 78 ± 3        | dB   |
| Power Rating (Nom/Max)                          | 0.5 / 1.0     | Watt |
| Frequency Range (Fo)                            | 0.64 ~ 9      | KHz  |
| Dimension (D X H)                               | 28 X 5.0      | mm   |

## Typical Frequency Response



공개용

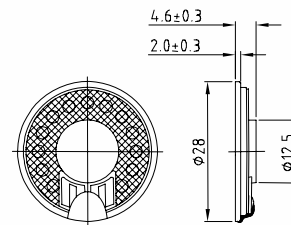
# Micro Speaker(PCB Terminal)

공개용

Model Name : PSC-2846P Series



## Mechanical Dimension



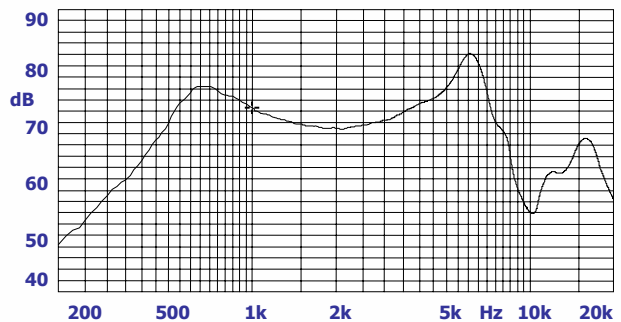
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Mobile Product like Navigation
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>2.0 KHz/ 0.4 Vrms                    | 8             | $\Omega$ |
| Sound Pressure Level<br>1W/at 0.5M , Avg. 4 Freq. | 84 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                            | 0.4 / 0.6     | Watt     |
| Frequency Range (Fo)                              | 0.65 ~ 7      | KHz      |
| Dimension (D X H)                                 | 28 X 4.6      | mm       |

## Typical Frequency Response



공개용

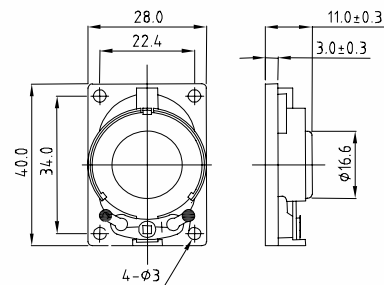
# Micro Square Speaker(Lug Termin

공개용

Model Name : PSQ-2840T Series



## Mechanical Dimension



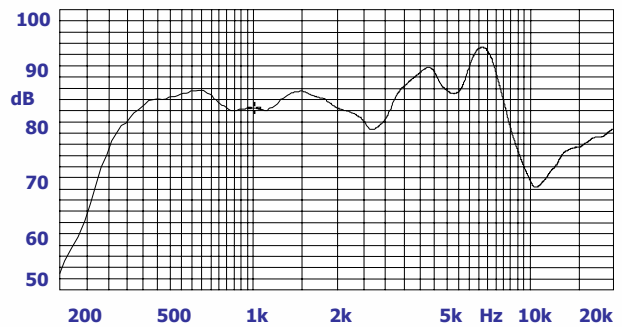
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Portable Sounding Product
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.5M , Avg. 4 Freq. | 81 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 2.0 / 3.0     | Watt     |
| Frequency Range (Fo)                                | 0.48 ~ 12     | KHz      |
| Dimension (W X L X H)                               | 28 X 40 X 11  | mm       |

## Typical Frequency Response



공개용

# Micro Speaker(PCB Terminal)

공개용

Model Name : PST-2830P Series



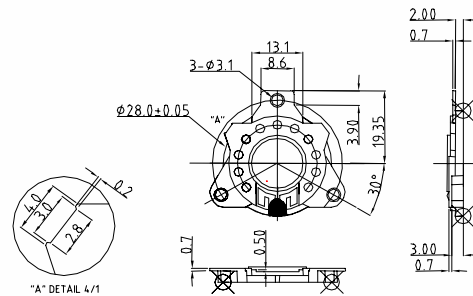
## Features

- Wide Frequency Range & High Sound Quality
- Easy Mountable by Screwing
- Applicable to Portable Sounding Product

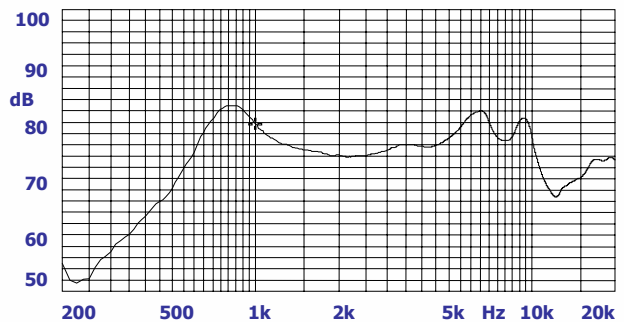
## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 0.5 Vrms                    | 8             | $\Omega$ |
| Sound Pressure Level<br>1W/at 0.5M , Avg. 4 Freq. | 86 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                            | 0.2 / 0.4     | Watt     |
| Frequency Range (Fo)                              | 0.7 ~ 15      | KHz      |
| Dimension (D X H)                                 | 28 X 3.0      | mm       |

## Mechanical Dimension



## Typical Frequency Response



공개용

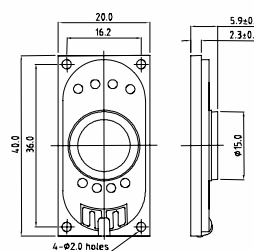
# Micro Square Speaker

공개용

Model Name : PSQ2040P Series



## Mechanical Dimension



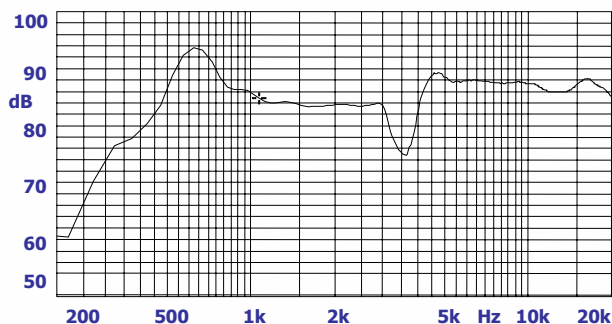
## Features

- Wide Frequency Range & High Sound Quality
- Easy Mountable by Screwing
- Applicable to Portable Sounding Product

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.5M , Avg. 4 Freq. | 85 ± 3        | dB       |
| Power Rating (Nom/Max)                              | 1.0 / 1.5     | Watt     |
| Frequency Range (Fo)                                | 0.56 ~ 20     | KHz      |
| Dimension (W X L X H)                               | 20 X 40 X 5.9 | mm       |

## Typical Frequency Response



공개용

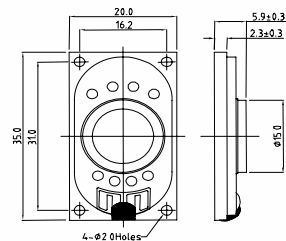
# Micro Square Speaker(PCB Term

공개용

Model Name : PSQ-2035P Series



## Mechanical Dimension



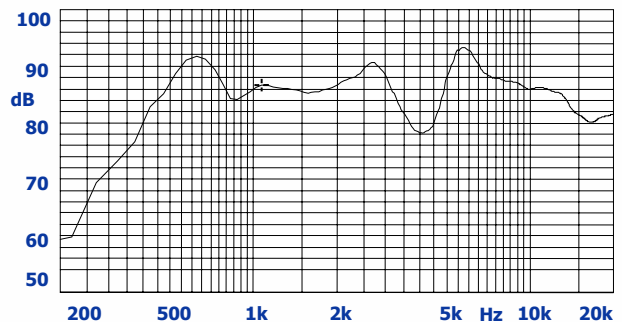
## Features

- Wide Frequency Range & High Sound Quality
- Easy Mountable by Screwing
- Applicable to Portable Sounding Product

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 0.5 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.5M , Avg. 4 Freq. | 85 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 1.0 / 1.5     | Watt     |
| Frequency Range (Fo)                                | 0.52 ~ 20     | KHz      |
| Dimension (W X L X H)                               | 20 X 35 X 5.9 | mm       |

## Typical Frequency Response



공개용

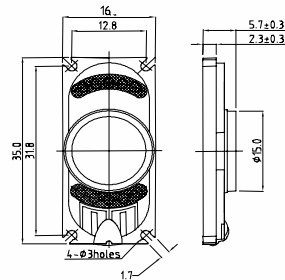
# Micro Square Speaker(PCB Termi

공개용

Model Name : PSQ-1635P Series



## Mechanical Dimension



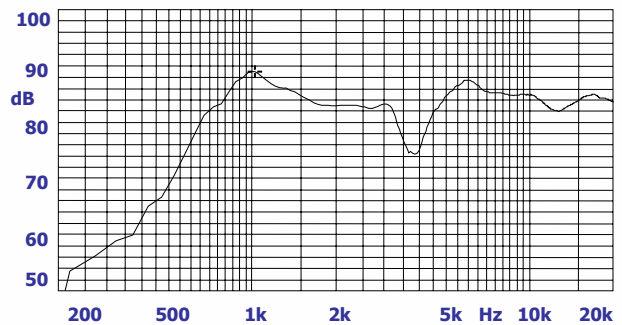
## Features

- Wide Frequency Range & High Sound Quality
- Easy Mountable by Screwing
- Applicable to Portable Sounding Product

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.5M , Avg. 4 Freq. | 84 ± 3        | dB       |
| Power Rating (Nom/Max)                              | 1.0 / 1.5     | Watt     |
| Frequency Range (Fo)                                | 0.95 ~ 20     | KHz      |
| Dimension (W X L X H)                               | 16 X 35 X 5.7 | mm       |

## Typical Frequency Response



공개용

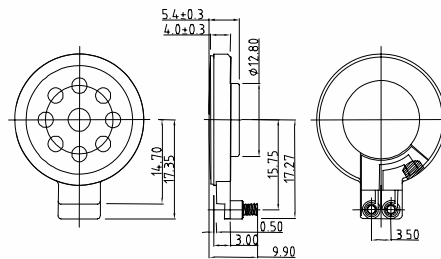
# Micro Speaker(Spring Contacts)

공개용

Model Name : PSC-2354S Series



## Mechanical Dimension



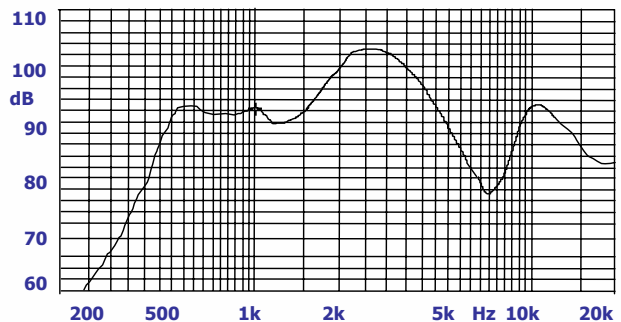
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Portable Sounding Product
- Easy contact by coil springs

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.2W/at 0.1M , Avg. 4 Freq. | 92 ± 3        | dB       |
| Power Rating (Nom/Max)                              | 0.3 / 0.6     | Watt     |
| Frequency Range (Fo)                                | 0.55 ~ 6      | KHz      |
| Dimension (D X H)                                   | 23 X 5.4      | mm       |

## Typical Frequency Response



공개용

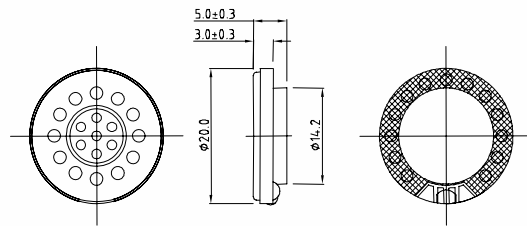
# Micro Speaker (PCB Terminal)

공개용

Model Name : PSC-2050P Series



## Mechanical Dimension



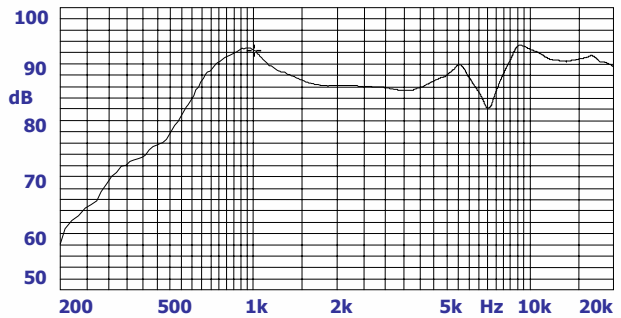
## Features

- Wide Frequency Range & High sound Quality
- Applicable to Wireless Telecom & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 90 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.8 / 1.0     | Watt     |
| Frequency Range (Fo)                                | 0.75 ~ 20     | KHz      |
| Dimension (D X H)                                   | 20 X 5.0      | mm       |

## Typical Frequency Response



공개용

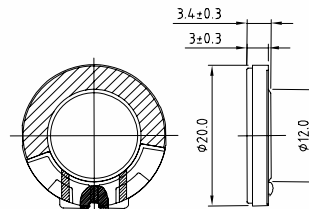
# Micro Speaker (PCB Contact)

공개용

Model Name : PSC-2034P Series



## Mechanical Dimension



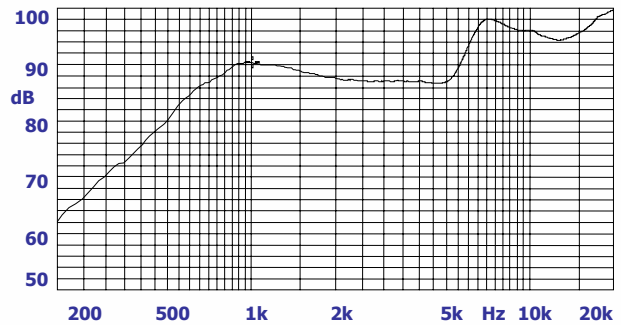
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Wireless Telecom & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.3W/at 0.1M , Avg. 4 Freq. | 90 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.3 / 0.6     | Watt     |
| Frequency Range (Fo)                                | 0.88 ~ 20     | KHz      |
| Dimension (D X H)                                   | 20 X 3.4      | mm       |

## Typical Frequency Response



공개용

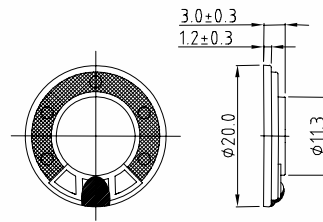
# Micro Speaker (PCB Terminal)

공개용

Model Name : PSC-2030P Series



## Mechanical Dimension



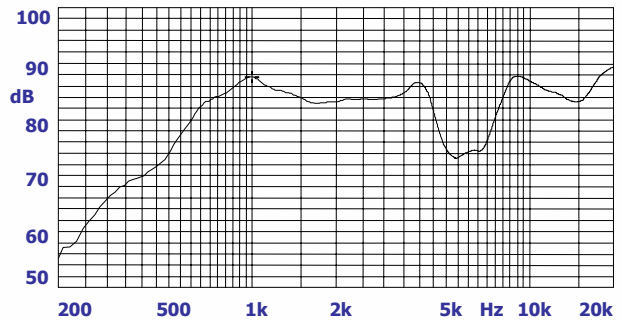
## Features

- Slim & high sound quality
- Applicable to Wireless Telecom & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 86 ± 3        | dB       |
| Power Rating (Nom/Max)                              | 0.5 / 1.0     | Watt     |
| Frequency Range (Fo)                                | 0.8 ~ 5       | KHz      |
| Dimension (D X H)                                   | 20 X 3.0      | mm       |

## Typical Frequency Response



공개용

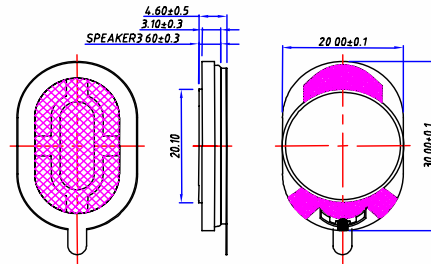
# Micro Speaker(PCB Terminal)

공개용

Model Name : PSR-2030P Series



## Mechanical Dimensions



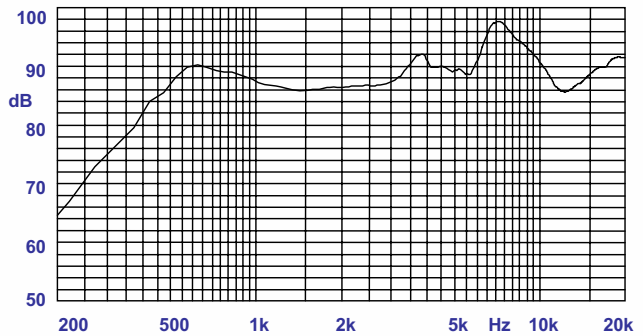
## Features

- Small & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter  | Specification | Unit |
|--|---------------|------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                     | 8             | Ω    |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq | 86 ± 3        | dB   |
| Power Rating (Nom/Max)                             | 0.5 / 0.7     | mW   |
| Frequency Range                                    | 0.65 ~ 2.0    | KHz  |
| Dimension ( W X L X H )                            | 20 X 30 X 3.6 | mm   |

## Typical Frequency Response



공개용

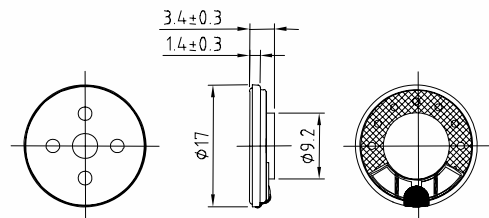
# Micro Speaker(PCB Terminal)

공개용

 Model Name : PSC-1734P Series



## Mechanical Dimension



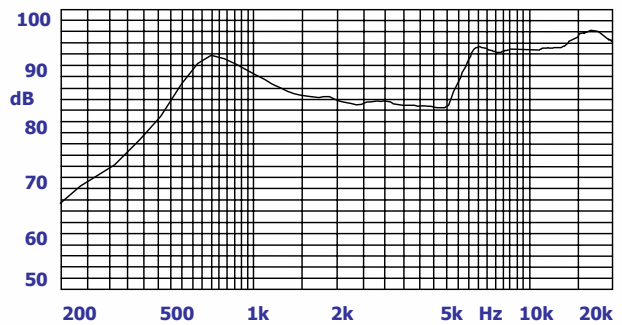
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Wireless Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit |
|---|---------------|------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                      | 8             | Ω    |
| Sound Pressure Level<br>0.2W/at 0.1M , Avg. 4 Freq. | 88 ± 3        | dB   |
| Power Rating (Nom/Max)                              | 0.2 / 0.3     | Watt |
| Frequency Range (Fo)                                | 0.8 ~ 7       | KHz  |
| Dimension (D X H)                                   | 17 X 3.4      | mm   |

## Typical Frequency Response



공개용

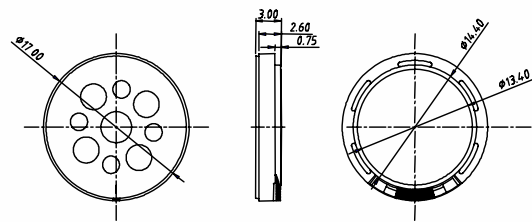
# Micro Speaker(PCB Terminal)

공개용

Model Name : PSC-1730P Series



## Mechanical Dimension



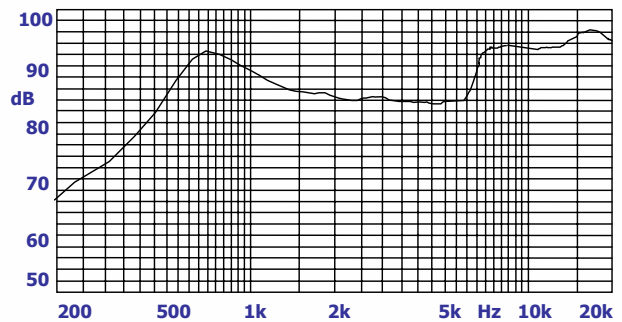
## Features

- Ultra slim size & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 89 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.5 / 1.0     | Watt     |
| Frequency Range (Fo)                                | 0.7 ~ 20      | KHz      |
| Dimension (D X H)                                   | 17 X 3.0      | mm       |

## Typical Frequency Response



공개용

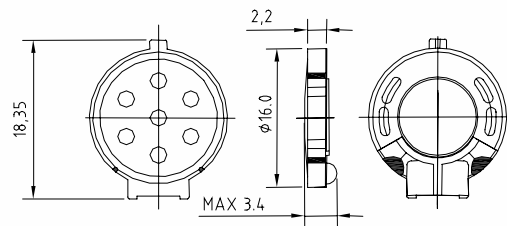
# Micro Speaker(PCB Contact)

공개용

Model Name : PSC-1622P Series



## Mechanical Dimension



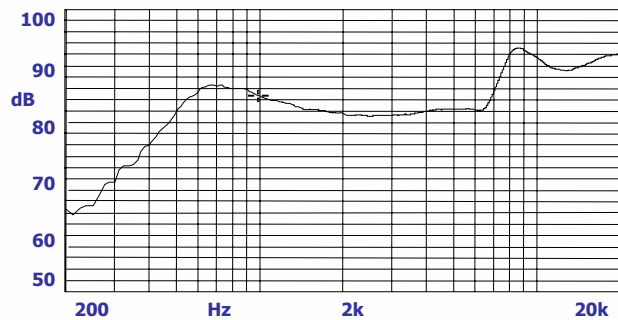
## Features

- Small size & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 87 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.5 / 1.0     | Watt     |
| Frequency Range (Fo)                                | 0.65 ~ 20     | KHz      |
| Dimension (D X H)                                   | 16 X 2.2      | mm       |

## Typical Frequency Response



공개용

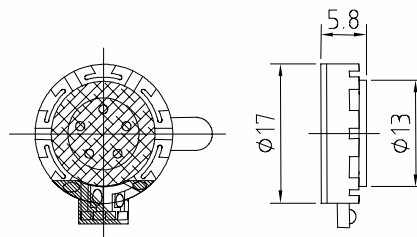
# Micro Speaker(PCB, Two Way)

공개용

Model Name : PDC-1758P Series



## Mechanical Dimension



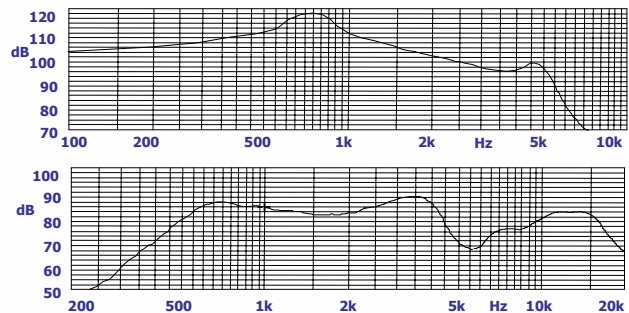
## Features

- 2 Ways for Speaker & Receiver for each side
- Less cost & assembly time
- Applicable to Mobile & Wireless Phone

## Electrical Characteristics

| Parameter                          | Specification      | Unit |
|------------------------------------|--------------------|------|
| Impedance<br>1.5 KHz/ 1.0 Vrms     | 8/32               | Ω    |
| Sound Pressure Level<br>179mV/1KHz | 89/110 ± 3         | dB   |
| Power Rating (Nom/Max)             | 0.5/1.0W & 20 / 30 | mW   |
| Frequency Range                    | 0.6 ~ 20/0.2 ~ 4   | KHz  |
| Dimension (D X H)                  | 17(R13) X 5.8      | mm   |

## Typical Frequency Response



공개용

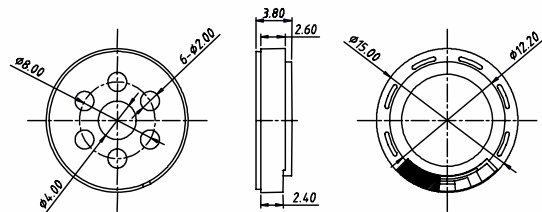
# Micro Speaker(PCB Terminal)

공개용

Model Name : PSC-1538P Series



## Mechanical Dimension



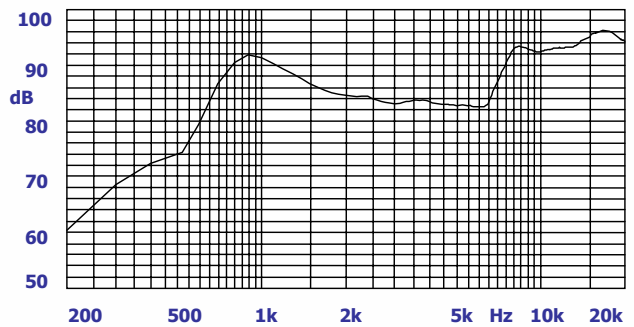
## Features

- Small size & high sound pressure level
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 90 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.5 / 1.0     | Watt     |
| Frequency Range (Fo)                                | 0.8 ~ 20      | KHz      |
| Dimension (D X H)                                   | 15 X 3.8      | mm       |

## Typical Frequency Response



공개용

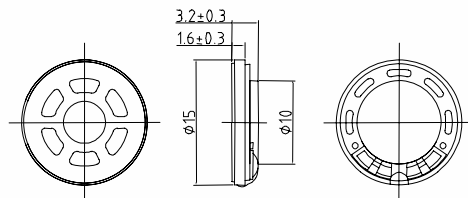
# Micro Speaker(PCB Terminal)

공개용

Model Name : PSC-1532P Series



## Mechanical Dimension



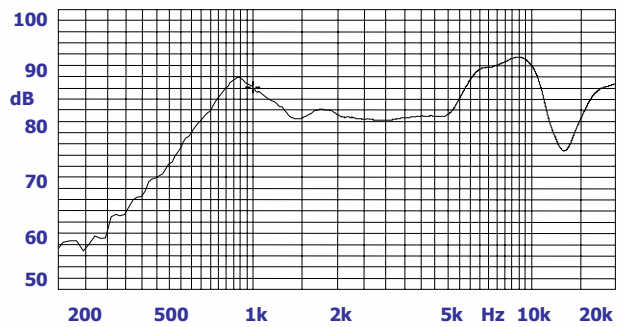
## Features

- Small size & high sound pressure level
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.2 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 80 ± 3        | dB       |
| Power Rating (Nom/Max)                              | 0.2 / 0.3     | Watt     |
| Frequency Range (Fo)                                | 0.8 ~ 20      | KHz      |
| Dimension (D X H)                                   | 15 X 3.2      | mm       |

## Typical Frequency Response



공개용

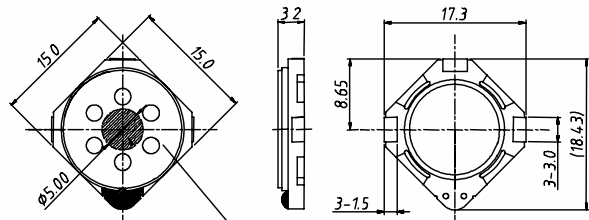
# Micro Speaker (SMD Type)

공개용

Model Name : PSQ-1532F Series



## Mechanical Dimension



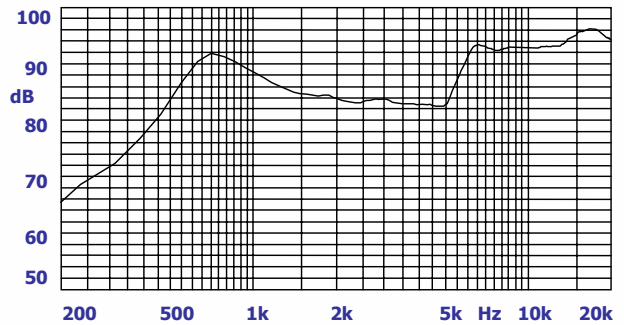
## Features

- Ultra thin, high sound quality & easy mountable
- Tape & reel packing for RoHS IR reflow process
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 88 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.5 / 1.0     | Watt     |
| Frequency Range (Fo)                                | 0.7 ~ 20      | KHz      |
| Dimension (W X L X H)                               | 15 X 15 X 3.2 | mm       |

## Typical Frequency Response



공개용

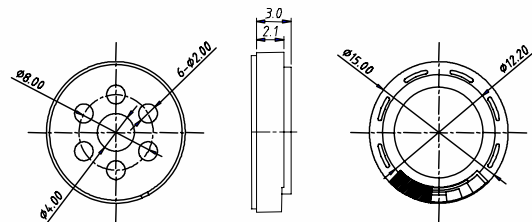
# Micro Speaker(PCB Terminal)

공개용

Model Name : PSC-1530P Series



## Mechanical Dimension



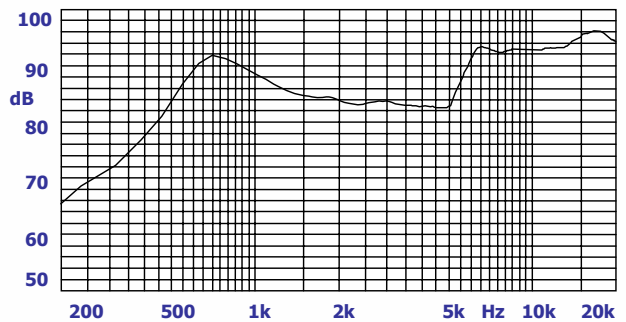
## Features

- Small size & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 88 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.5 / 1.0     | Watt     |
| Frequency Range (Fo)                                | 0.65 ~ 20     | KHz      |
| Dimension (D X H)                                   | 15 X 3.0      | mm       |

## Typical Frequency Response



공개용

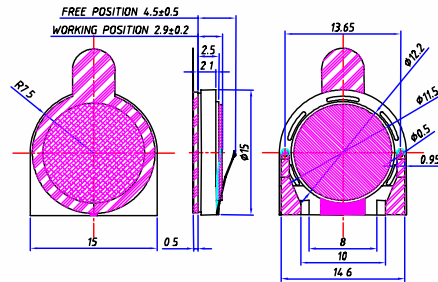
# Micro Speaker(Spring Type)

공개용

Model Name : PSR-1525S Series



## Mechanical Dimension



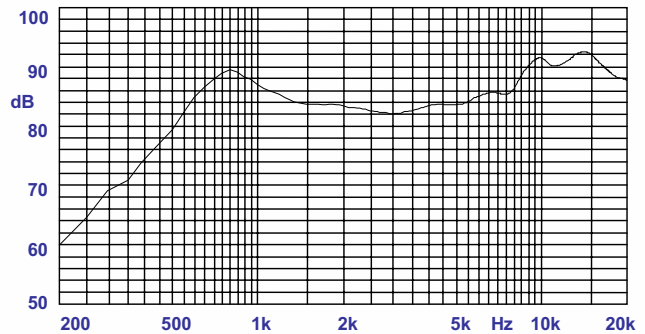
## Features

- Ultra slim & high voice quality
- Applicable to Mobile Phone & other Portable use
- Easy contact by spring terminals

## Electrical Characteristics

| Parameter                          | Specification | Unit |
|------------------------------------|---------------|------|
| Impedance<br>1.0 KHz/ 1.0 Vrms     | 8             | Ω    |
| Sound Pressure Level<br>100mV/1KHz | 85 ± 3        | dB   |
| Power Rating (Nom/Max)             | 0.5 / 0.7     | W    |
| Frequency Range                    | 0.75~ 2.0     | KHz  |
| Dimension (D X H)                  | 15 X 2.5      | mm   |

## Typical Frequency Response



공개용

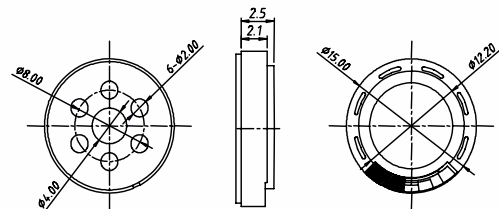
# Micro Speaker(PCB Terminal)

공개용

 Model Name : PSC-1525P Series



## Mechanical Dimension



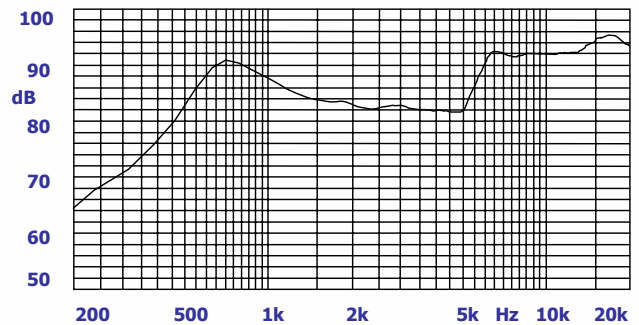
## Features

- Ultra slim & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 87 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.5 / 1.0     | Watt     |
| Frequency Range (Fo)                                | 0.65 ~ 20     | KHz      |
| Dimension (D X H)                                   | 15 X 2.5      | mm       |

## Typical Frequency Response



공개용

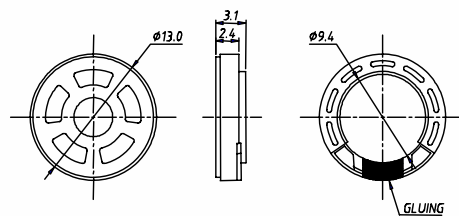
# Micro Speaker(PCB Terminal)

공개용

Model Name : PSC-1331P Series



## Mechanical Dimension



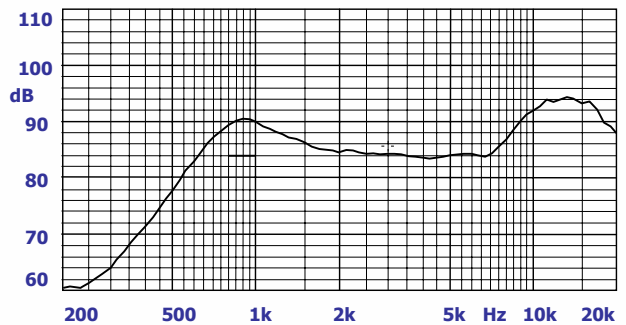
## Features

- Small size & high sound pressure level
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 88 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.5 / 1.0     | Watt     |
| Frequency Range (Fo)                                | 0.9 ~ 20      | KHz      |
| Dimension (D X H)                                   | 13 X 3.1      | mm       |

## Typical Frequency Response



공개용

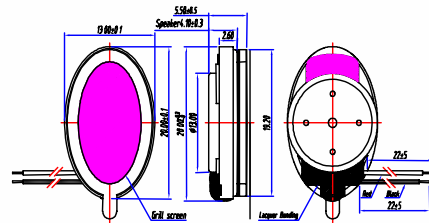
# Micro Speaker (Wire Leads)

공개용

Model Name : PSO-1320W Series



## Mechanical Dimension



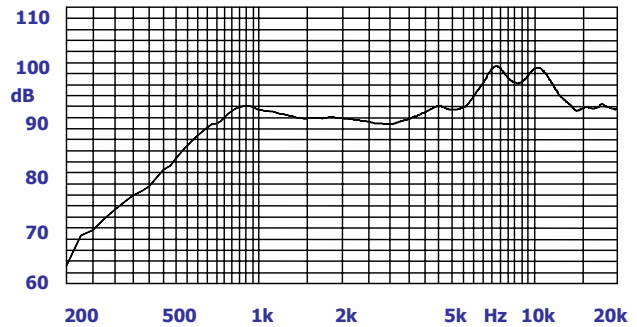
## Features

- Small size & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification        | Unit     |
|---|----------------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8                    | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 90 $\pm$ 3           | dB       |
| Power Rating (Nom/Max)                              | 0.7/1.0              | Watt     |
| Frequency Range (Fo)                                | 0.8 ~ 20             | KHz      |
| Dimension (W X L X H)                               | $\Phi$ 13 X 20 X 4.1 | mm       |

## Typical Frequency Response



공개용

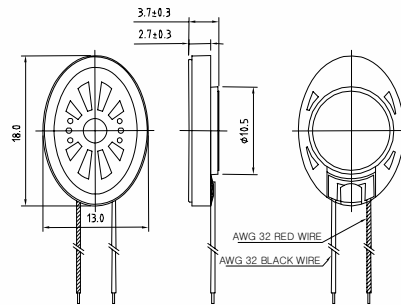
# Micro Speaker (Wire)

공개용

Model Name : PSO-1318W Series



## Mechanical Dimension



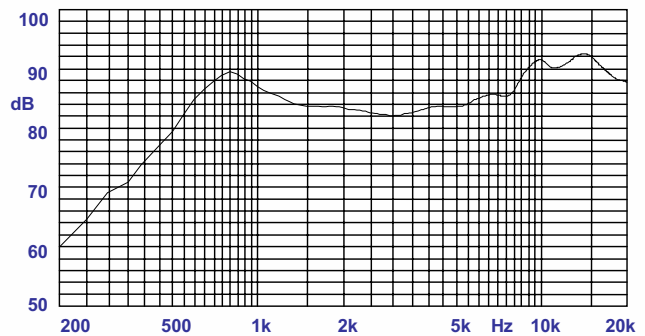
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit |
|---|---------------|------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | Ω    |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 85 ± 3        | dB   |
| Power Rating (Nom/Max)                              | 0.5 / 0.7     | Watt |
| Frequency Range (Fo)                                | 0.7 ~ 20      | KHz  |
| Dimension (W X L X H)                               | 13 X 18 X 3.7 | mm   |

## Typical Frequency Response



공개용

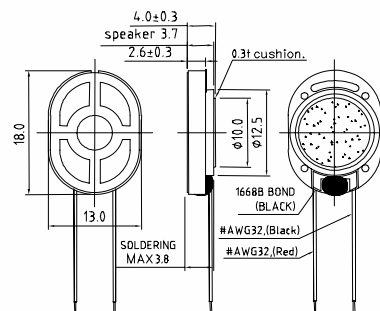
# Micro Speaker (Wire)

공개용

Model Name : PSO-1318W Series



## Mechanical Dimension



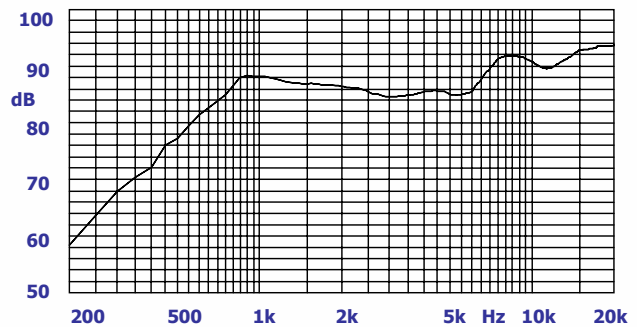
## Features

- Wide Frequency Range & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit |
|---|---------------|------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | Ω    |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 86 ± 3        | dB   |
| Power Rating (Nom/Max)                              | 0.5 / 0.7     | Watt |
| Frequency Range (Fo)                                | 0.8 ~ 20      | KHz  |
| Dimension (W X L X H)                               | 13 X 18 X 3.7 | mm   |

## Typical Frequency Response



공개용

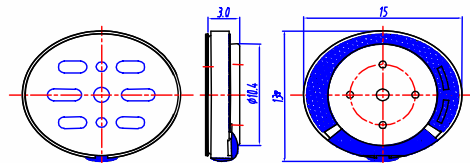
# Micro Speaker(PCB Terminal Type)

공개용

Model Name : PSO-1315P Series



## Mechanical Dimension



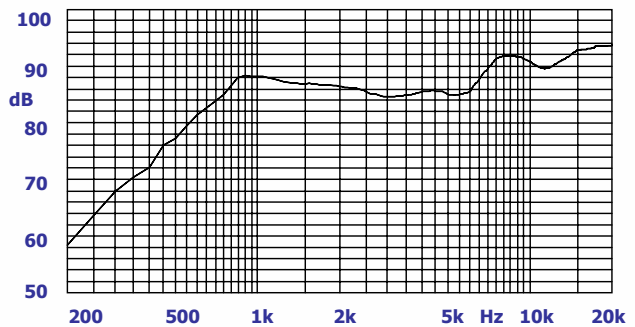
## Features

- Small size & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 88 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.5/1.0       | Watt     |
| Frequency Range (Fo)                                | 0.8 ~ 20      | KHz      |
| Dimension (W X L X H)                               | 13 X 15 X 3.8 | mm       |

## Typical Frequency Response



공개용

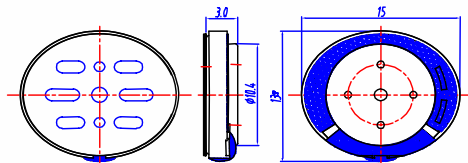
# Micro Speaker(PCB Terminal Type)

공개용

Model Name : PSO-1315P Series



## Mechanical Dimension



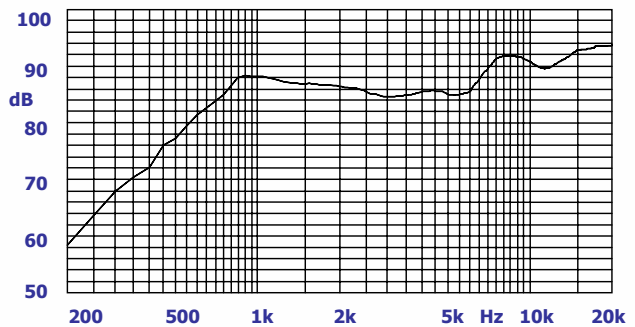
## Features

- Small size & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 88 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.5/1.0       | Watt     |
| Frequency Range (Fo)                                | 0.8 ~ 20      | KHz      |
| Dimension (W X L X H)                               | 13 X 15 X 3.8 | mm       |

## Typical Frequency Response



공개용

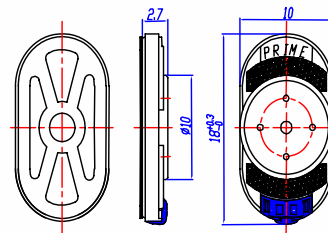
# Micro Speaker(PCB Terminal)

공개용

Model Name : PSO-1018P Series



## Mechanical Dimension



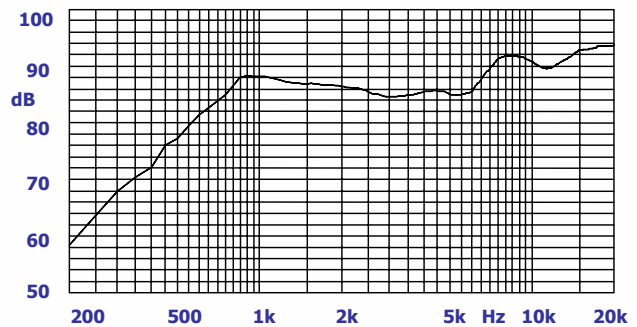
## Features

- Small size & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 88 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.5/1.0       | Watt     |
| Frequency Range (Fo)                                | 0.8 ~ 20      | KHz      |
| Dimension (W X L X H)                               | 10 X 18 X 2.7 | mm       |

## Typical Frequency Response



공개용

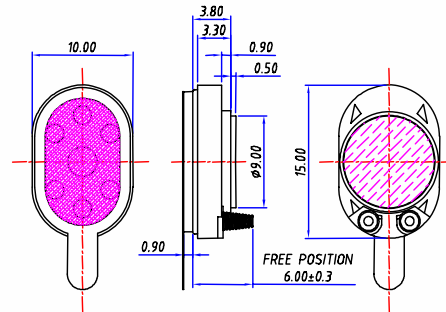
# Micro Speaker(Spring Type)

공개용

Model Name : PSO-1015S Series



## Mechanical Dimension



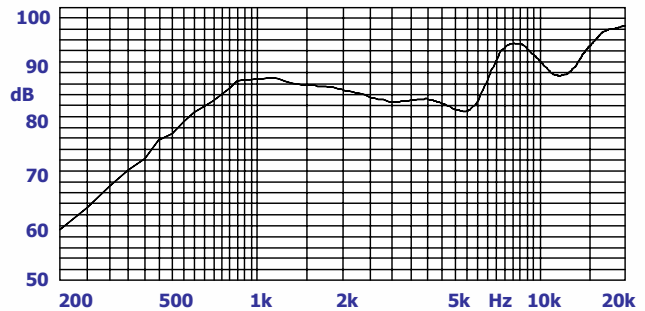
## Features

- Small size & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 87 $\pm$ 3    | dB       |
| Power Rating (Nom/Max)                              | 0.7/1.0       | Watt     |
| Frequency Range (Fo)                                | 0.85 ~ 20     | KHz      |
| Dimension (W X L X H)                               | 10 X 15 X 3.8 | mm       |

## Typical Frequency Response



공개용

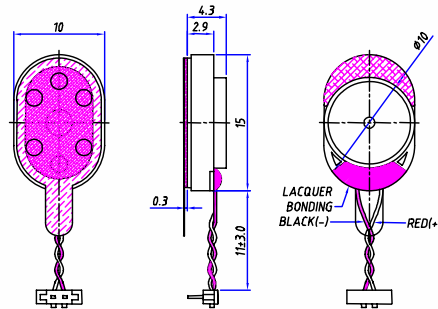
# Micro Speaker (Wire Leads)

공개용

Model Name : PSO-1015W Series



## Mechanical Dimension



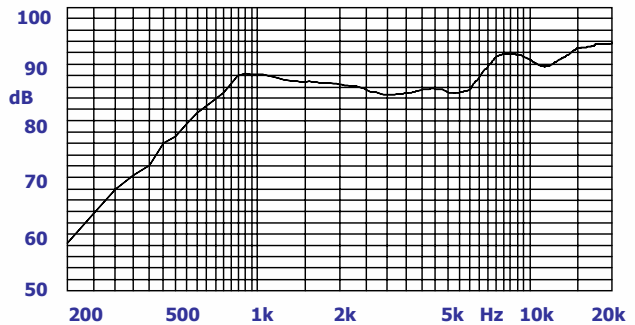
## Features

- Small size & high sound quality
- Applicable to Mobile Phone & other Portable use
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit     |
|---|---------------|----------|
| Impedance<br>1.5 KHz/ 1.0 Vrms                      | 8             | $\Omega$ |
| Sound Pressure Level<br>0.1W/at 0.1M , Avg. 4 Freq. | 87 ± 3        | dB       |
| Power Rating (Nom/Max)                              | 0.7/1.0       | Watt     |
| Frequency Range (Fo)                                | 0.85 ~ 20     | KHz      |
| Dimension (W X L X H)                               | 10 X 15 X 4.3 | mm       |

## Typical Frequency Response



공개용

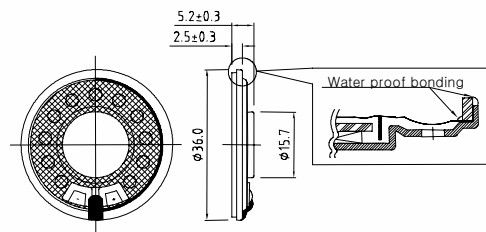
# Micro Speaker (PCB Contact)

공개용

Model Name : PSC-3652P Series



## Mechanical Dimension



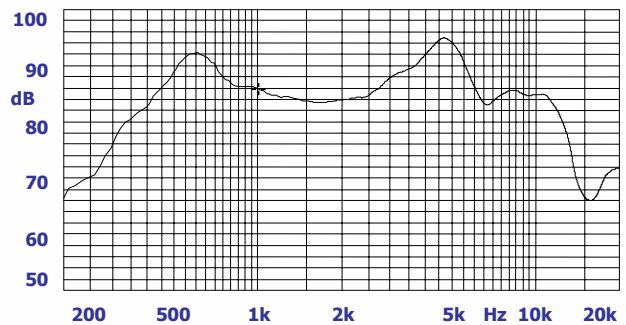
## Features

- Wide Frequency Range & High Sound Quality
- Applicable to Mobile Product like Band Radio
- Custom design available

## Electrical Characteristics

| Parameter   | Specification | Unit |
|---|---------------|------|
| Impedance<br>1.0 KHz/ 1.0 Vrms                    | 24            | Ω    |
| Sound Pressure Level<br>1W/at 0.5M , Avg. 4 Freq. | 85 ± 3        | dB   |
| Power Rating (Nom/Max)                            | 0.6 / 1.0     | Watt |
| Frequency Range (Fo)                              | 0.55 ~ 14     | KHz  |
| Dimension (D X H)                                 | 36 X 5.2      | mm   |

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