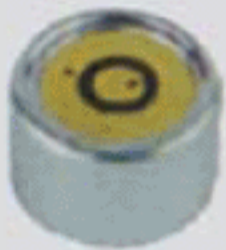


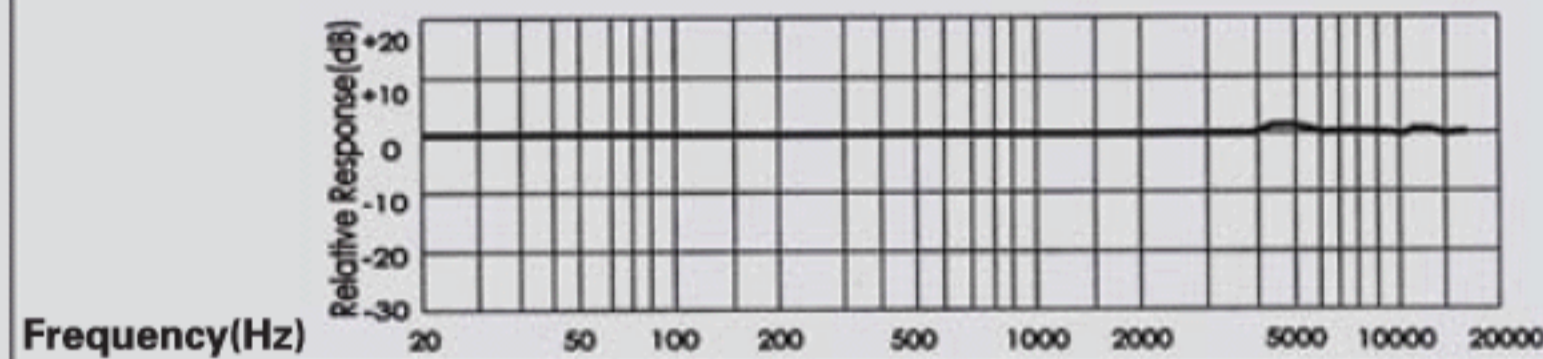
## OB-4530、4527

## Omnidirectional Back Electret Condenser Microphone

### Appearance



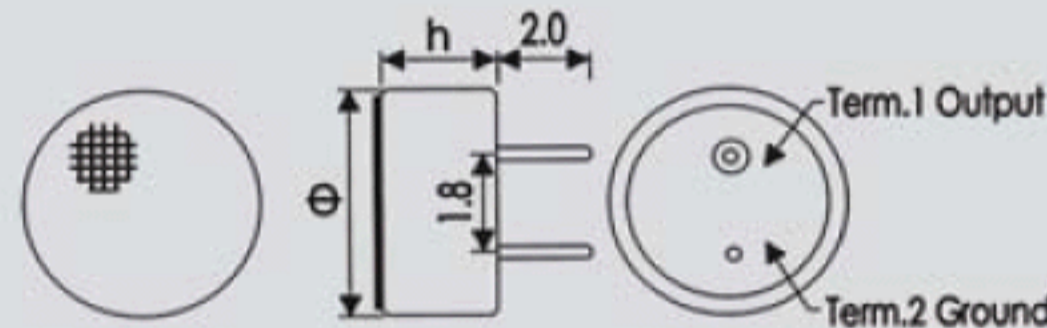
### Typical frequency response curve



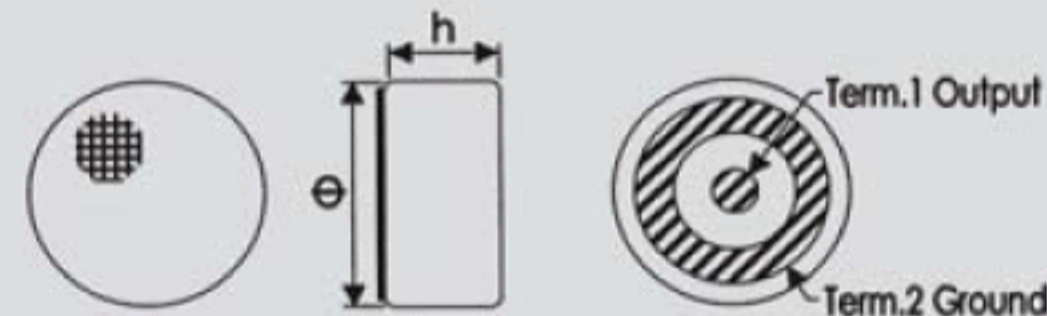
### Dimensional drawing

Unit: mm

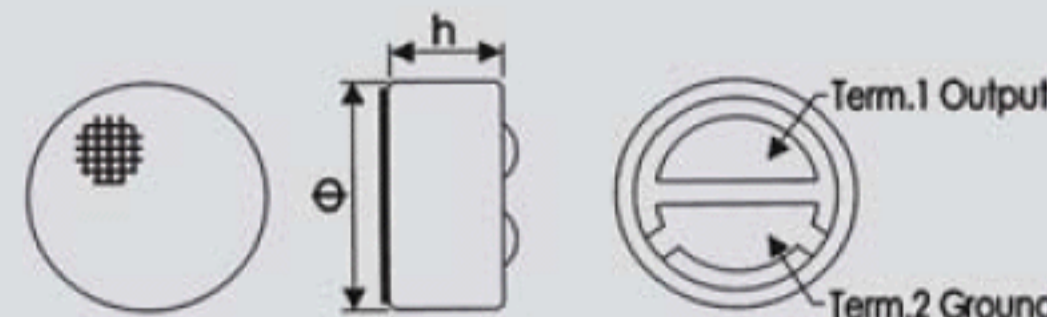
#### Pin type



#### Solderless



#### Lead-wire



- Very small, thin type omni-directional microphone
- Most suited to products having limited Space
- To design for high resistance to vibrations
- Capacitor inside:  
10pF (DECT, PHS, PCN, PCS, etc.)  
33pF (GSM, PDS, etc.)  
10pF + 33pF (DECT, PHS, PCN, GSM, PDS, etc.)

### Specification

#### Sensitivity

See above (0dB = 1V / Pa, 1kHz)

#### Impedance

Less than 2.2K Ω

#### Directivity

Omnidirectional

#### Frequency

20-16,000Hz

#### Max. operation voltage

10.0V

#### Standard Operation voltage

2.0V

#### Current consumption

Max. 0.5mA

#### Sensitivity reduction

Within -3dB at 1.5V

#### S/N ratio

More than 58dB

### Shape size

Φ4.5X h3.0  
Φ4.5X h2.7

### Sensitivity range

$V_s = 2.0v$   
 $R_L = 2.2K \Omega$

-40 ± 3dB

-48 ± 3dB

-44 ± 3dB