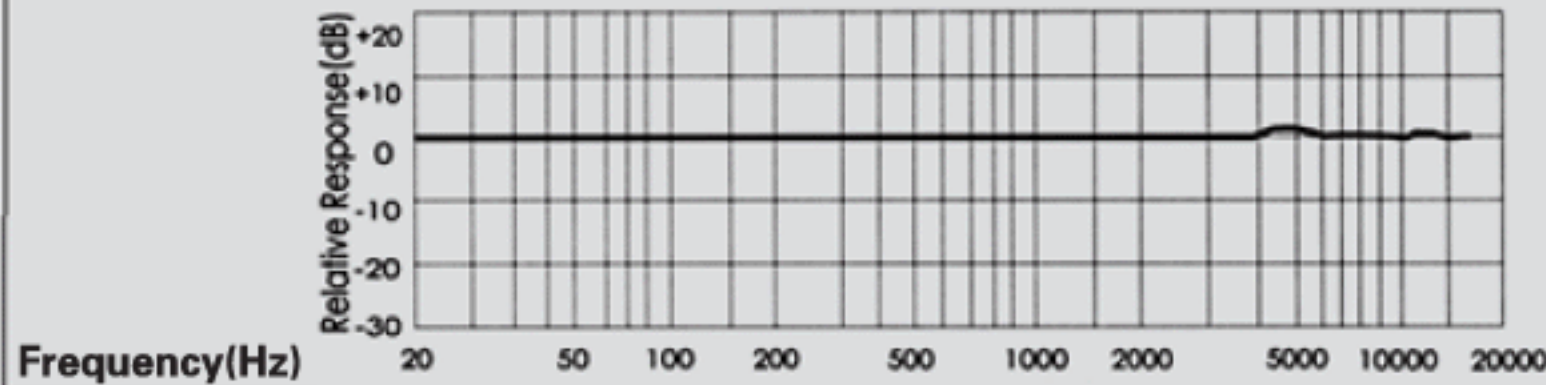


OB-4022, 4020, 4018 Omnidirectional Back Electret Condenser Microphone

Appearance



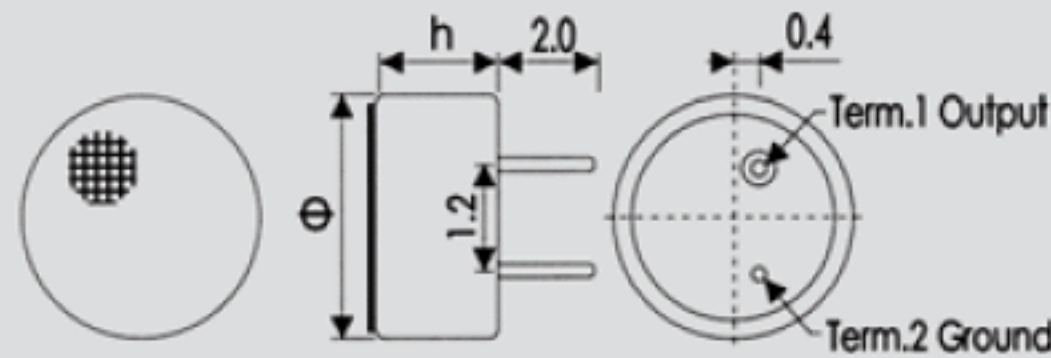
Typical frequency response curve



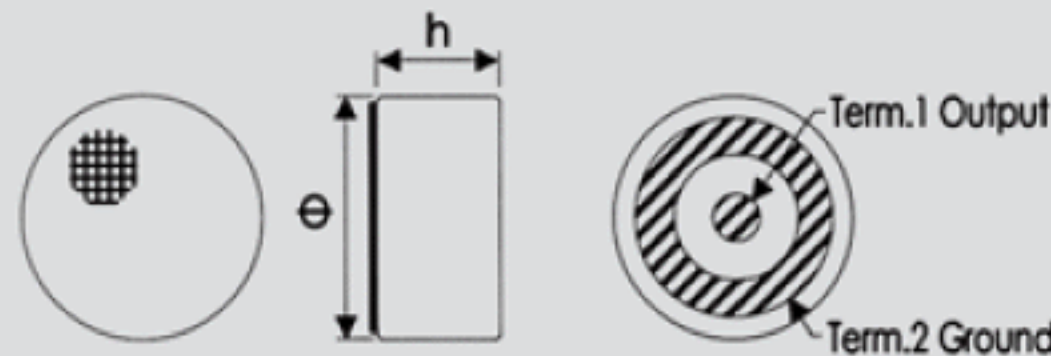
Dimensional drawing

Unit: mm

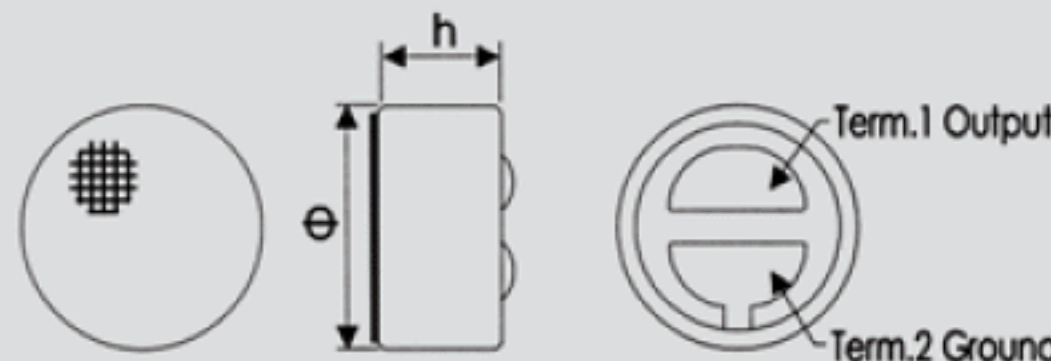
Pin type



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**
Omni-directional
- 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

- $\Phi 4.0 \times h 2.2$
- $\Phi 4.0 \times h 2.0$
- $\Phi 4.0 \times h 1.8$

Sensitivity range

$V_s = 2.0v$ $R_L = 2.2K \Omega$	-42 \pm 3dB	-50 \pm 3dB
	-46 \pm 3dB	-54 \pm 3dB