

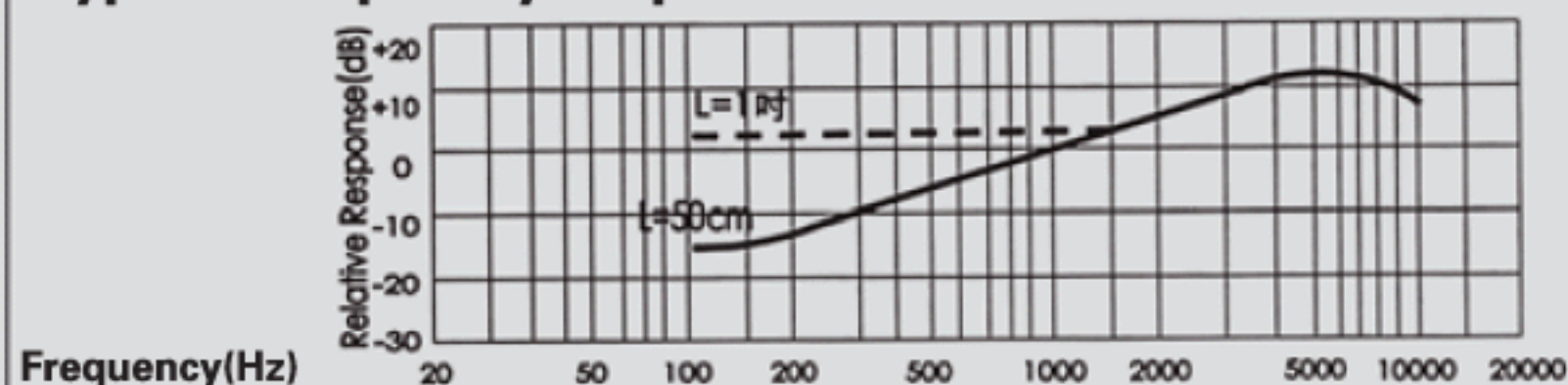
## NB-4022、4018

## Noise Cancelling Back Electret Condenser Microphone

### Appearance



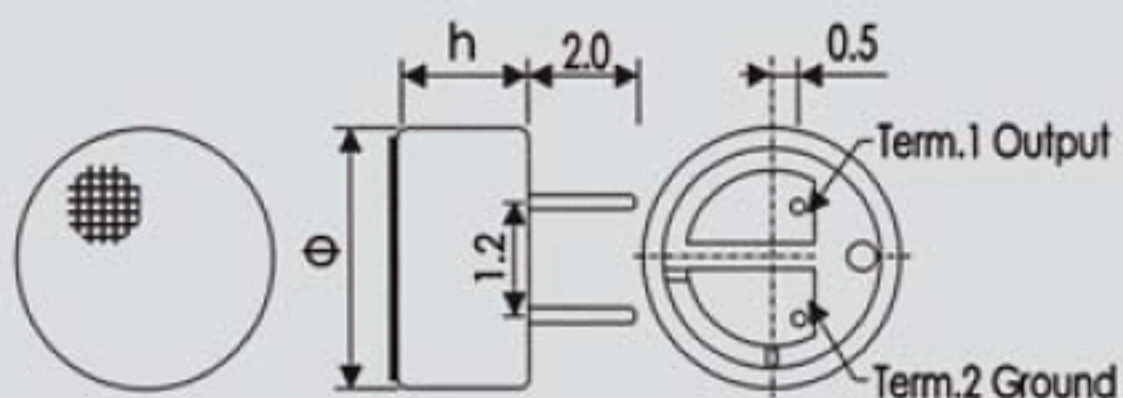
### Typical frequency response curve



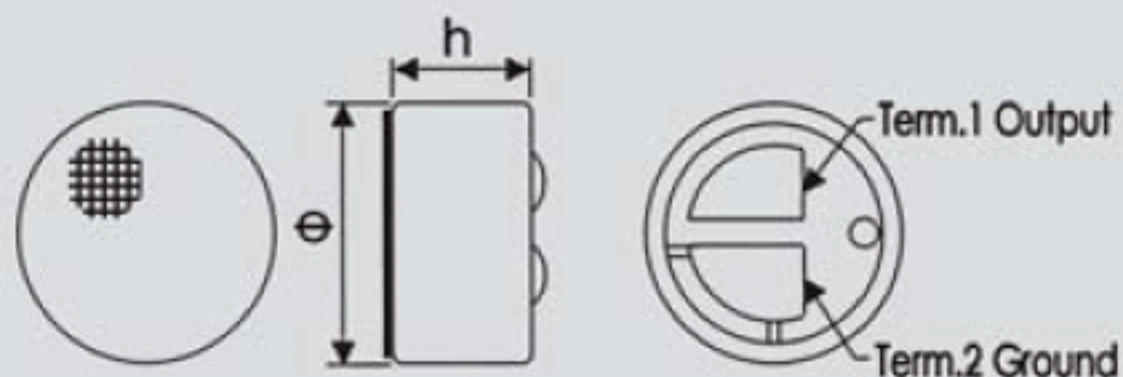
### Dimensional drawing

Unit: mm

### Pin type



### Lead-wire



### Shape size

Φ4.0X h2.2  
Φ4.0X h1.8

### Sensitivity range

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

$-56 \pm 3dB$      $-64 \pm 3dB (L=50cm)$   
 $-60 \pm 3dB$

- Very small, thin type
- Close talk characteristics effectively reduce ambient noise
- Most suited to products having limited Space.
- 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 2.2KΩ

**Directivity**  
Noise cancelling

**Frequency**  
100-10,000Hz

**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 50dB