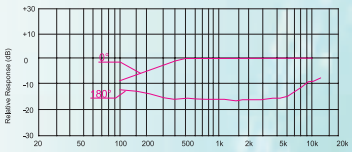
Unidirectional Electret Condenser Microphone

BCM9750U

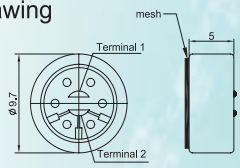
Unidirectional microphone for general use

Specifications
1.Sensitivity: See below
2.Impedance: Less than 680ohm
3.Directional: Unidirectional
4.S/N Ratio: More than58dB(0dB=1V/Pa,1kHz)
5.Max. Input Sound Leve: 100dB S.P.L
6.Frequency Response: 100Hz-10kHz
7.Rate Voltage: 1.5V
8.Decreaing Voltage characteristic: -3dB(at 1V)
Notes:
1.Test Condition Vs=1.5V ,RL=680ohm
Sensitivity (1KHz): -47 ± 4dB,-50 ± 4(0dB=1V/Pa,1kHz)

Frequency Resonse Curve



Drawing



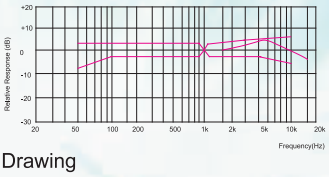
Omni-Directional Electret Condenser Microphone

BCM9745PC

Highcost performance,electret condenser microphone cartridge.
useful for almost any type of telephone and other applications

Specifications
1.Sensitivity: See below
2.Impedance: Less than 2Kohm
3.Directional: Omnidirectional
4.S/N Ratio: more than60dB(0dB=1V/Pa,1kHz)
5.Max. Input Sound Leve: 100dB S.P.L
6.Frequency Response: 20Hz-16kHz
7.Rate Voltage: 1.5V
8.Operating Voltage: 1.5-10V
9.Capacitor: 10pF
10.Decreaing Voltage characteristic: -3dB(at 1V)
Notes:
1.Test Condition Vs=1.5V ,RL=2kohm
Sensitivity (1KHz): -38 ± 2dB,-40 ± 2 (0dB=1V/Pa,1kHz)

Frequency Resonse Curve



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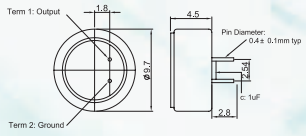
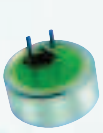




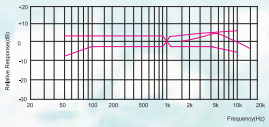
Omni-Directional Electret Condenser Microphone

BCM9745 BCM-9745P

useful for almost any type of telephone and other applications

Specifications:
1. Sensitivity: see below
2. Impedance: 2.2Kohm
3. Directivity: omnidirectional
4. Frequency: 100 - 16,000Hz
5. Max. operation voltage: 10V
6. Current consumption: 0.6mA (max.)
7. Sensitivity reduction: within –3dB (Vs:2.0V⟶1.5V)
8. S/N ratio: more than 60dB
Notes:
1. Test Condition Vs=2.5V ,RL=2.2Kohm
Sensitivity (1KHz): 0dB=1v/Pa, -38 ± 3, -40 ± 3,-42 ± 3,-44 ± 3)
built-in capacitor is available according to clients' requests

Frequency Resonse Curve



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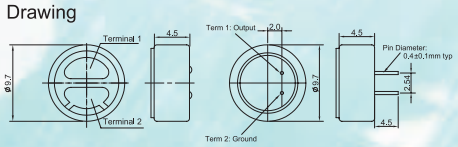


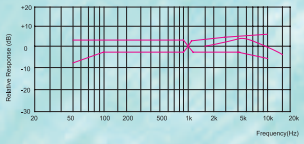
Omni-Directional Electret Condenser Microphone

BCM9765 BCM9765P

Useful for tape recorders,toys,telephones,and almost any other applications

1. Sensitivity: see below
2. Impedance:2.2kohm
3. Directivity: omnidirectional
4. Frequency: 20 - 16,000Hz
5. Max. operation voltage: 10V
6. Current consumption: 0.5mA (max.)
7. Sensitivity reduction: within –3dB (Vs:4.5V⟶ 1.5V)
8. S/N ratio: more than 60dB
Notes:
1.Test Condition:Vs=4.5V RL=2.2KΩ
Sensitivity: 0dB=1v/Pa,1kHz, -44 ± 2,-42 ± 2,-40 ± 2,-38 ± 2,
-36 ± 2,-34 ± 2,-32 ± 2)

Frequency Resonse Curve



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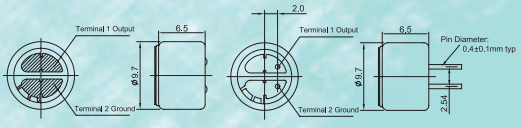


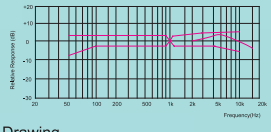
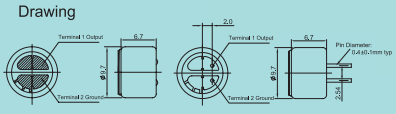
Omni-Directional Electret Condenser Microphone

BCM9767 BCM9767P

Useful for tape recorders,toys,telephones,and almost any other applications

Specifications:
1. Sensitivity: see below
2. Impedance:Less than 2.2kohm
3. Directivity: omnidirectional
4. Frequency: 20 - 16,000Hz
5. Max. operation voltage: 10V
6. Current consumption: 0.5mA (max.)
7. Sensitivity reduction: within –3dB (Vs:1.5V)
8. S/N ratio: more than 60dB
Notes:
1.Test Condition Vs=3.0V RL=2.2KΩ
Sensitivity (1KHz): 0dB=1v/Pa, -44 ± 2,-42 ± 2,-40 ± 2,-38 ± 2,-36 ± 2
2.Test Condition Vs=1.5V RL=2Kohm
Sensitivity(1KHz): 0dB=1V/Pa,-36 ± 2,-38 ± 2,-40 ± 2)

Frequency Resonse Curve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