

# Electret microphone 9745p



Electret microphone is a type of condenser microphone.

Operating voltage: 3Vdc

Operating voltage range: 1.5V-10Vdc

Sensitivity: -48dB~+66dB

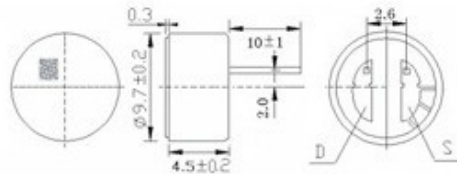
Operating Current: 500uA(MAX)

Diameter size: 9.7mm x 4.5mm

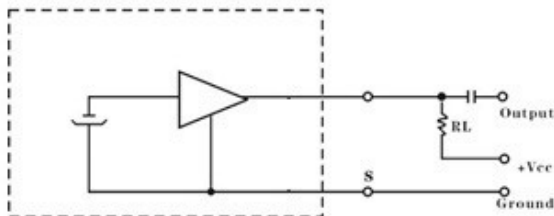
(contains 2 pins)

Directivity: Omnidirectional condenser microphone

## 尺寸简图 Dimensions Drawing (Unit: mm)

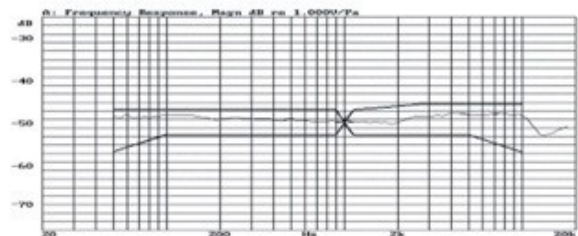


## 测试 (工作) 电路图 Schematic Diagram



C=1uF RL=2.2KΩ Vcc=4.5V

## 典型频响曲线 Typical Frequency Response Curve



## 技术参数 Specifications

Dimensions	(尺寸)	9.7x4.5mm
Sensitivity (0dB=1v/Pa 1000Hz)	(灵敏度)	-48---66dB
Frequency range	(频响范围)	50---20KHz
Directivity	(方向特性)	全指向
Impedance	(阻抗)	低阻抗
Current consumption	(电流消耗)	最大500uA
Standard operation voltage	(标准工作电压)	3V
Operation voltage range	(工作电压范围)	1.5---10V
S/N ratio	(信噪比)	大于58dB
Sensitivity reduction	(灵敏度变化)	电压变化1.5V灵敏度变化小于3dB