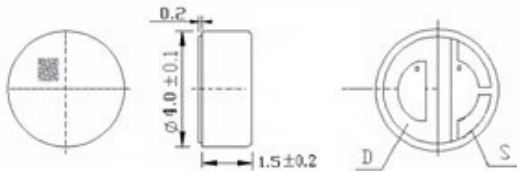


Electret microphone 4015

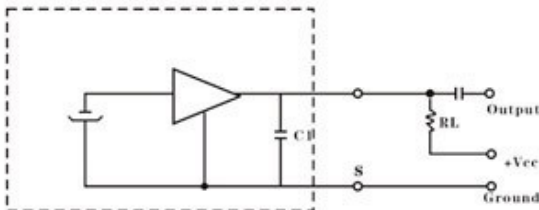


Electret microphone is a type of condenser microphone.
 Operating voltage: 3Vdc
 Operating voltage range: 1.5V-10Vdc
 Sensitivity: -48dB~+66dB
 Operating Current: 500uA(MAX)
 Diameter size: 4mm x 1.5mm
 directivity: Omnidirectional condenser microphone

尺寸简图 Dimensions Drawing (Unit : mm)

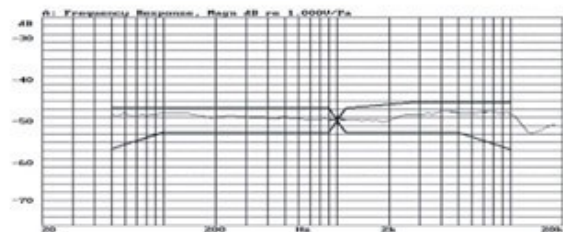


测试 (工作) 电路图 Schematic Diagram



$C=1\mu F$ $R_L=2.2K\Omega$ $V_{cc}=4.5V$ (可根据客户需求内置一个或两个电容 C_1, C_2 . $C_1=33PF, C_2=10PF$)

典型频响曲线 Typical Frequency Response Curve



技术参数 Specifications

Dimensions	(尺寸)	4.0x1.5mm
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56dB
Sensitivity reduction	(灵敏度变化)	电压变化1.5V灵敏度变化小于3dB