

PIEZO SENSOR



1. Application

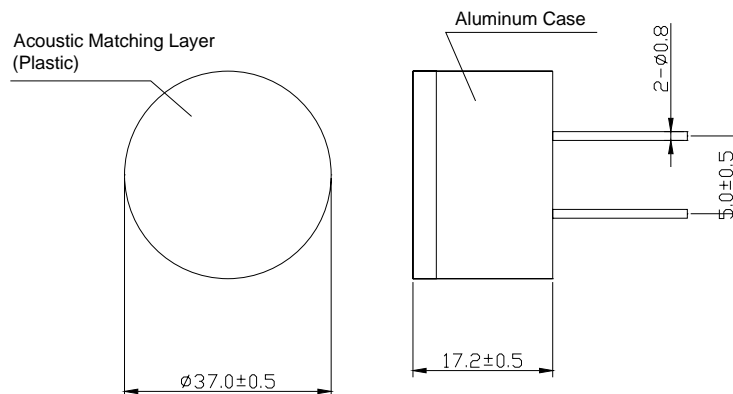
Used as Transmitter and receiver of Ultrasonic for Remote controls of Home appliance and Electric devices; Distance measurement; Parking aid system; proximity switch; liquid level measurement; Open channel flow; Robotics;Obstacle avoidance.

2.Specifications

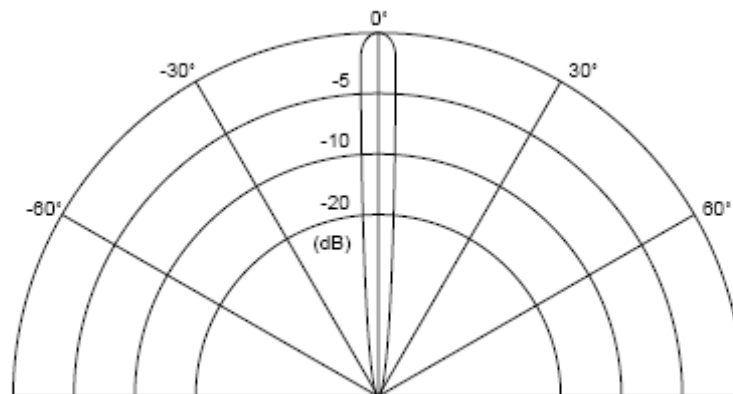
Center Frequency (KHz)	110.0±10
Bandwidth(-6dB)	10KHz
Receiving Sensitivity at 40cm	-54 dB
Range(m)	0.4-2.5
Resolution	3mm
Capacitance (at1KHz ±25%)	600pF
Max.Driving Voltage(cont)	80
Total Beam Angle	-7 typical
Operation Temperature	-20-70°C
Storage Temperature	-30-80°C

3.Appearance Drawing

Tolerance: ±0.5



4. Directivity in overall sensitivity



5. Test Conditions

Standard Test Condition a) Temperature: $+5 \sim +35^\circ\text{C}$ b) Humidity: 45 - 85% c) Pressure: 860-1060 mbar

Judgement Test Condition a) Temperature: $+25 \pm 2^\circ\text{C}$ b) Humidity: 60 - 70% c) Pressure: 860-1060 mbar