



# PIEZO SENSOR



## 1. Application

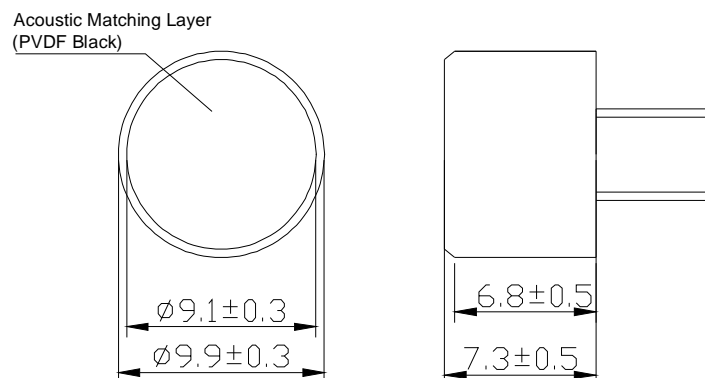
Used as Transmitter and receiver of Ultrasonic for Remote controls of Home appliance and Electric devices; Distance measurement; Parking aid system; proximity switch; liquid level measurement; Open channel flow; Robotics; Obstacle avoidance.

## 2. Specifications

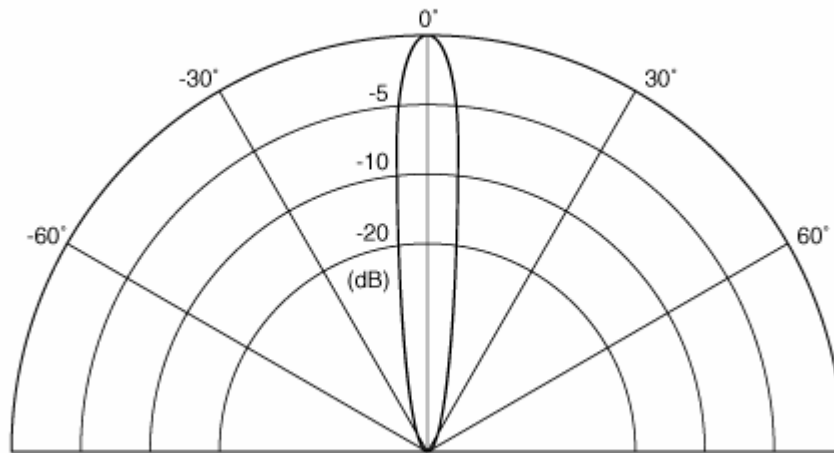
Center Frequency (KHz)	300.0±20
Bandwidth(-6dB)	30KHz
Receiving Sensitivity at 20cm	-80 dB
Range(m)	0.1-0.6
Resolution	1.2mm
Capacitance (at1KHz ±25%)	200pF
Max.Driving Voltage(cont)	60
Housing	PVDF(Black)
Total Beam Angle	-10 typical
Operation Temperature	-20-70°C
Storage Temperature	-30-80°C

## 3. Appearance Drawing

Tolerance: ±0.5



## 4. Directivity in overall sensitivity



## 5. Test Conditions

Standard Test Condition    a) Temperature: +5 ~ +35°C    b) Humidity: 45 - 85%    c) Pressure:  
860-1060 mbar

Judgement Test Condition    a) Temperature: +25 ±2°C    b) Humidity: 60 - 70%    c) Pressure:  
860-1060 mbar