

Usage:Ultrasonic air Sensor

Brand:Ultrasonic Sensor

Theory:Ultrasonic Sensor

Output:Analog SENSOR

Product name:ULTRASONIC FLOW SENSOR

Nominal Frequency(Fn): 200 ± 5

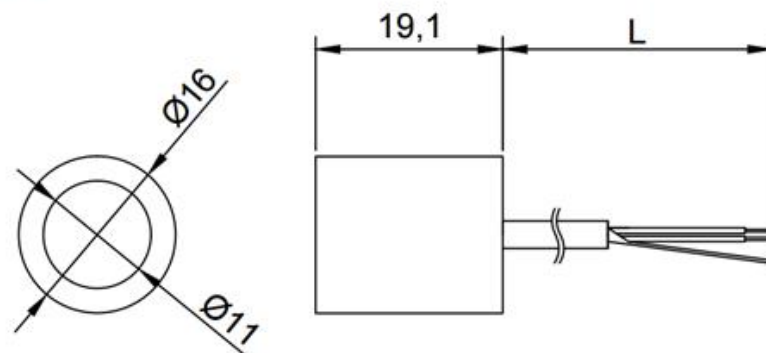
Static Capacitance(CP): $800 \pm 10\%$ pF

Signal Sensitivity: ≥ 90 mv

Application:Ultrasonic Gas meter

Material:Ceramic

Dimensions (Unit: mm)



ELECTRICAL SPECIFICATIONS

Items	Unit	Content
Nominal Frequency(Fn)	kHz	200 ± 5
Static Capacitance(CP)	pF	$800 \pm 10\%$
Signal Sensitivity (Driving Signal V_{p-p20V} , Transmission Distance70mm)	mv	≥ 90

TEST

Test Conditions

Parts shall be measured under a condition (Temp.: $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$, Humidity: 40%~70% R.H).

Test Methods

Item	Test Methods
Frequency Bandwidth(Df)	Measuring thickness vibration mode,Agilent 4294A Impedance analyzer
Static Capacitance(CP)	Digital Electric Bridge (at 1kHz/1V)