



深圳市兴华鑫电子科技有限公司

Shenzhen xinghuaxin Electronic Technology Co., Ltd

承認書

SPECIFICATION FOR APPROVAL

客戶 (Customer):

客戶料號 (Customer P/N):

興華鑫型號 (Supplier P/N):

XHVDZ-1040POH07TR

產品名稱 (Description):

传感器 (Ultrasonic sensor)

產品規格 (Specification):

10*7MM 40KHz

客戶承認欄 (Customer Authorization Signature)	深圳市興華鑫電子科技有限公司 承認欄 (Supplier Audit)		
	審核	檢查	制作
	唐国兴	唐玉来	吴银娟
	日期: 2022 年 04 月 19 日 版次: A		

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产品规格内容

A. Scope

This specification applies Ultrasonic sensor XHXDZ-1040POH07TR

B. Characteristic

- 1.1) Open structure and separate use
- 1.2) Compact and light weight
- 1.3) High sensitivity and sound pressure
- 1.4) Less power consumption
- 1.5) High reliability

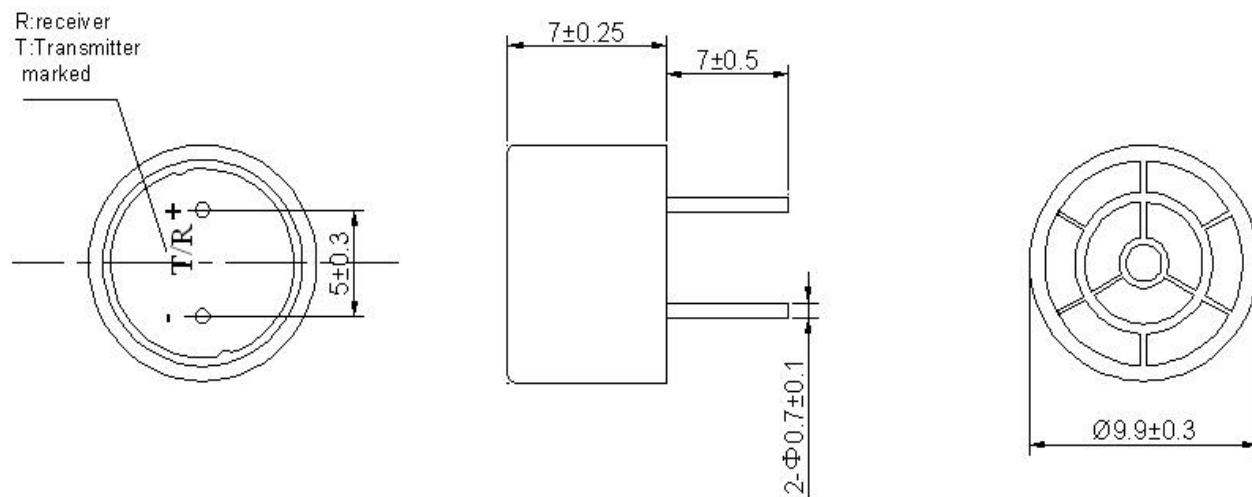
C. Technical terms

No.	Item	Unit	Specification
1	Construction		Open
2	Using method		Transmitter/Receiver
3	Nominal Frequency	Hz	40K
4	Sensitivity		$\geq -75\text{dBV}/\mu\text{Mbar}$
5	S P L	dB	≥ 105 (10V/30cm/sine wave)
6	Directivity		80deg
7	Capacitance	pF	$2200\pm 25\% @ 1\text{KHz}$
8	Detectable range	m	0.2....6
9	Operating Temperature	℃	-20....+60
10	Housing material		ABS
11	Weight	g	1

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产品规格内容

D .Drawing

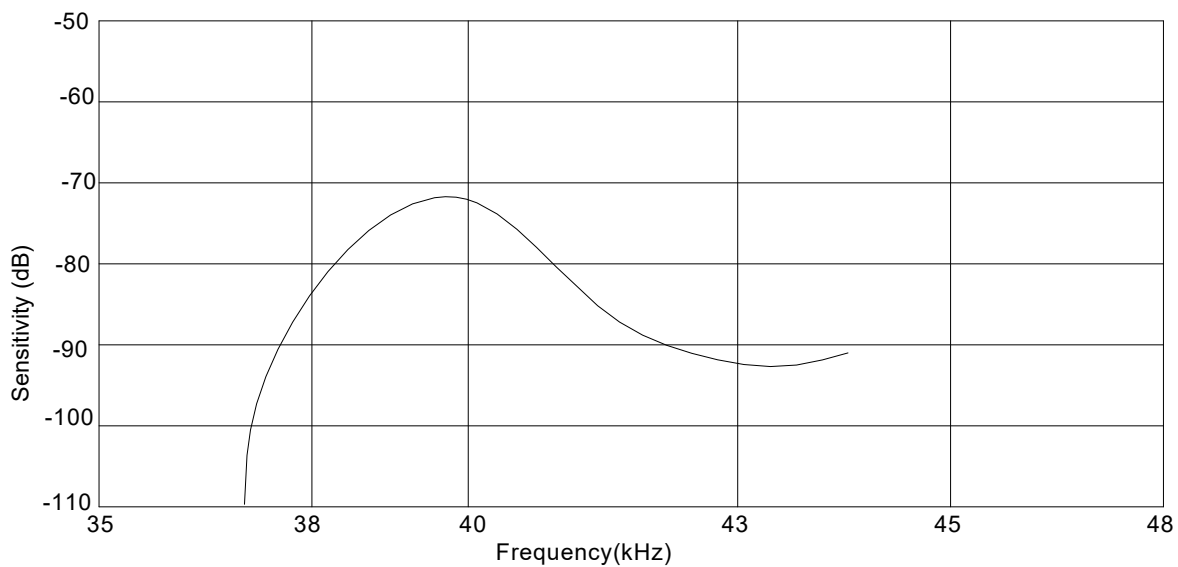


Tolerance general unless otherwise specified: ± 0.3 mm

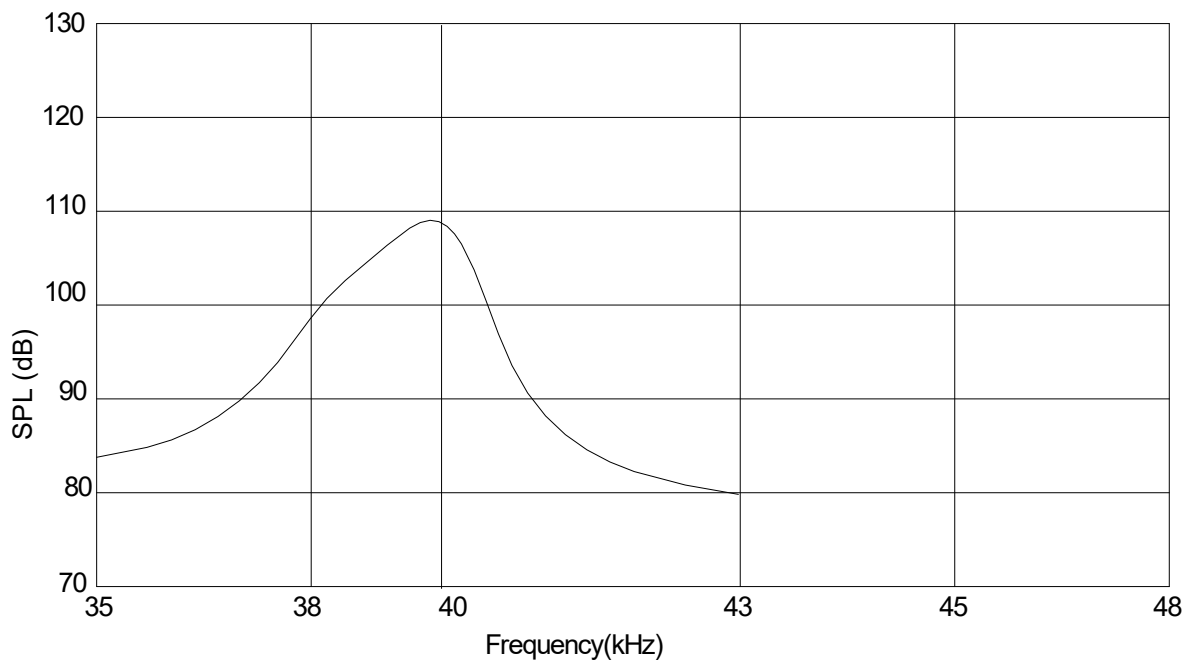
unit: mm



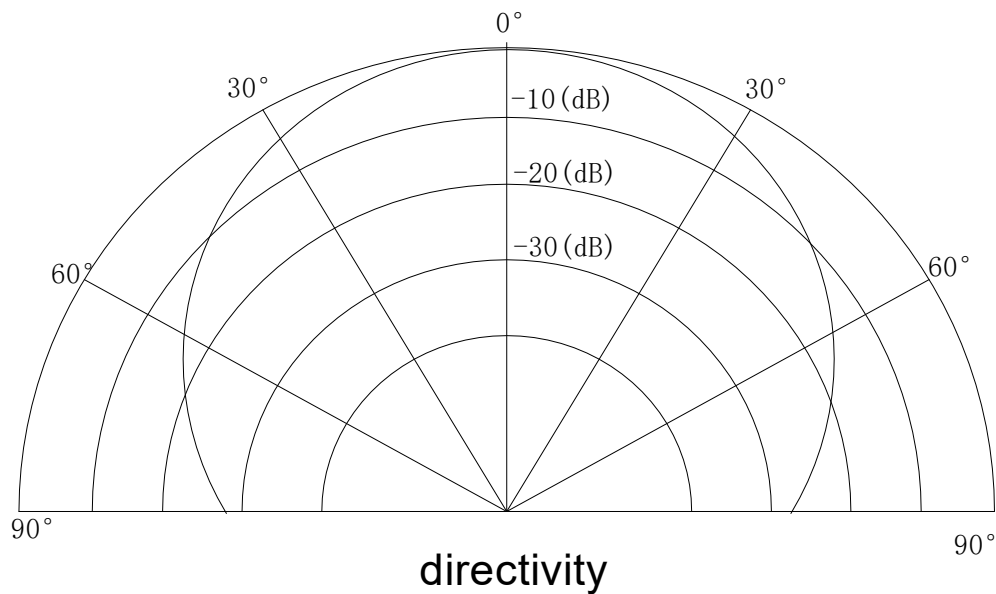
E. Beam Pattern



SPL-Frequency Characteristics



SPL-Frequency Characteristics

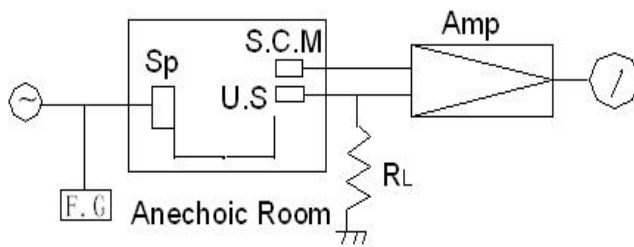


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产品规格内容

F. Test Circuit

Receiver



RL: $3.9K\Omega$

U.S. :Ultrasonic Sensor

S.C.M:Standard Capparitor Microphone

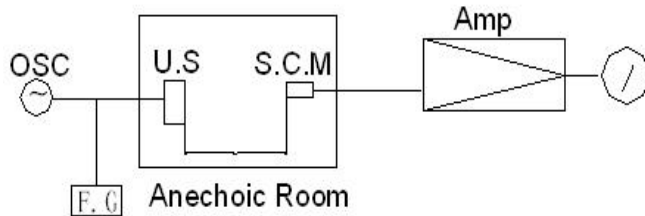
Amp. :Amplifier

OSC. :Oscillator

Sp :Tweeter

F.C :Frequency Counter

Transmitter



U.S. :Ultrasonic Sensor

S.C.M:Standard Capparitor Microphone

Amp. :Amplifier

Input voltage: 10Vrms

F.C :Frequency Counter