



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):

XHXDZ-1640POH12TR

產品名稱 (Description):

传感器 (Ultrasonic sensor)

產品規格 (Specification):

16\*12MM 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-1640POH12TR

### 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

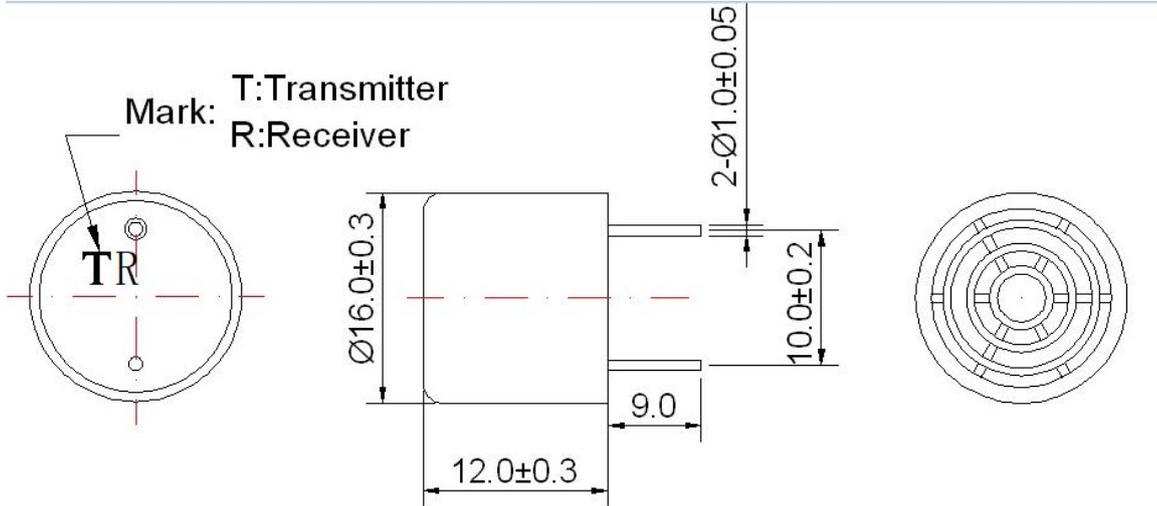
### C. Technical terms

No.	Item	Unit	Specification
1	Construction		Open
2	Using method		Transmitter/Receiver
3	Nominal Frequency	Hz	40K
4	Sensitivity		$\geq -68V/u$ Mbar
5	S P L	dB	$\geq 115(10V/30cm/sine\ wave)$
6	Directivity		80deg
7	Capacitance	pF	$2400 \pm 25\% @ 1KHz$
8	Allowable input voltage	Vp-p	130(40KHz)
9	Detectable range	m	18
10	Operating Temperature	°C	-20....+60
11	Housing material		ABS(Black)

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## 产品规格内容

### D .Drawing

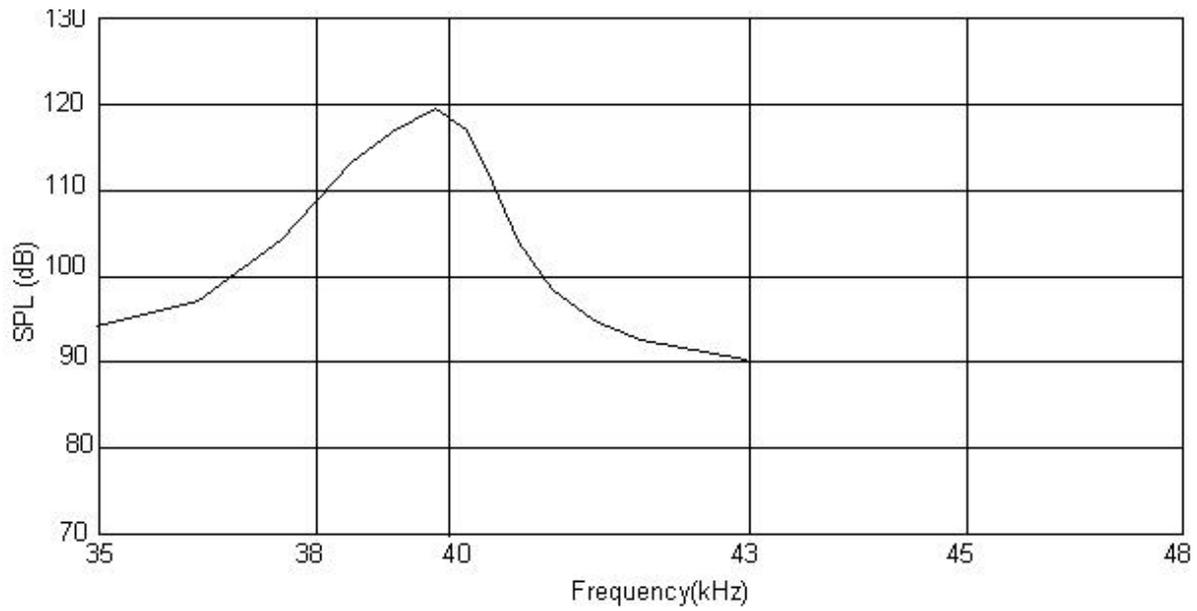


Tolerance general unless otherwise specified:  $\pm 0.3$ mm

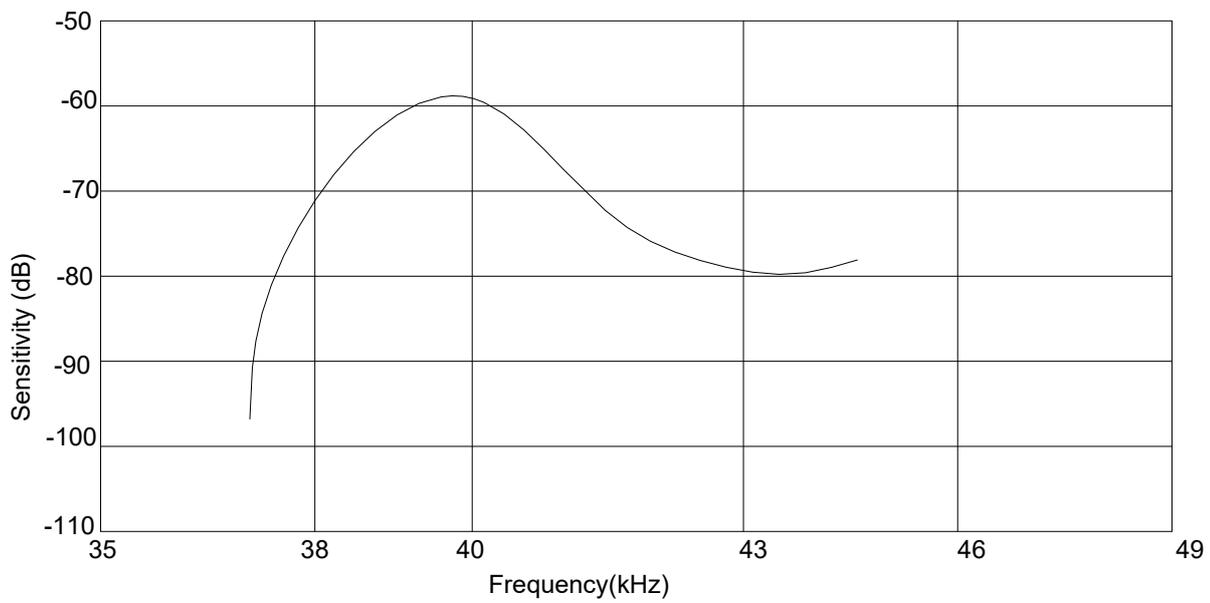
unit: mm



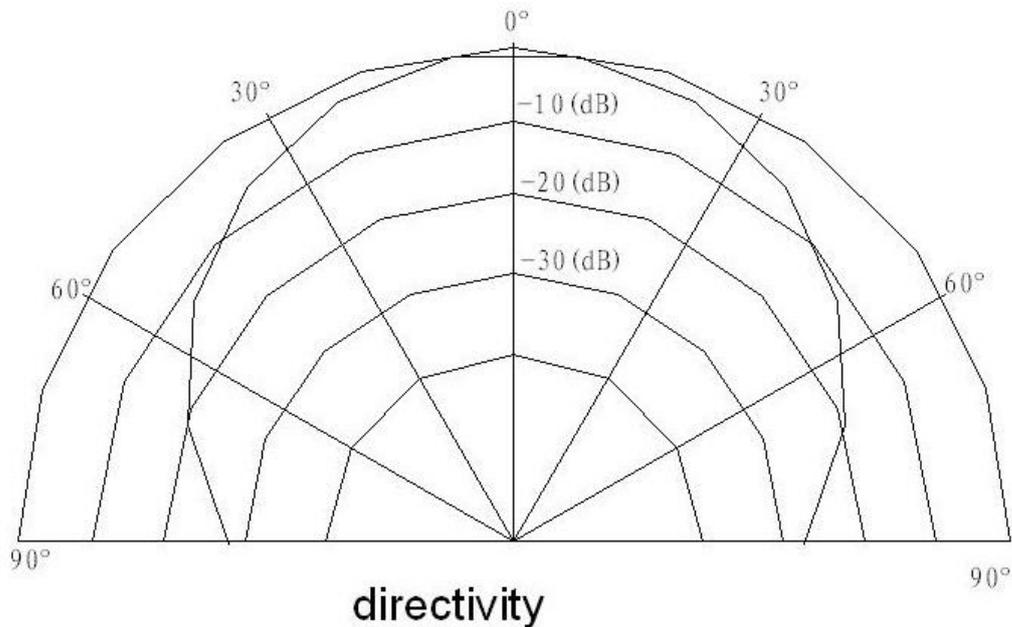
## E. Beam Pattern



SPL-Frequency Characteristics



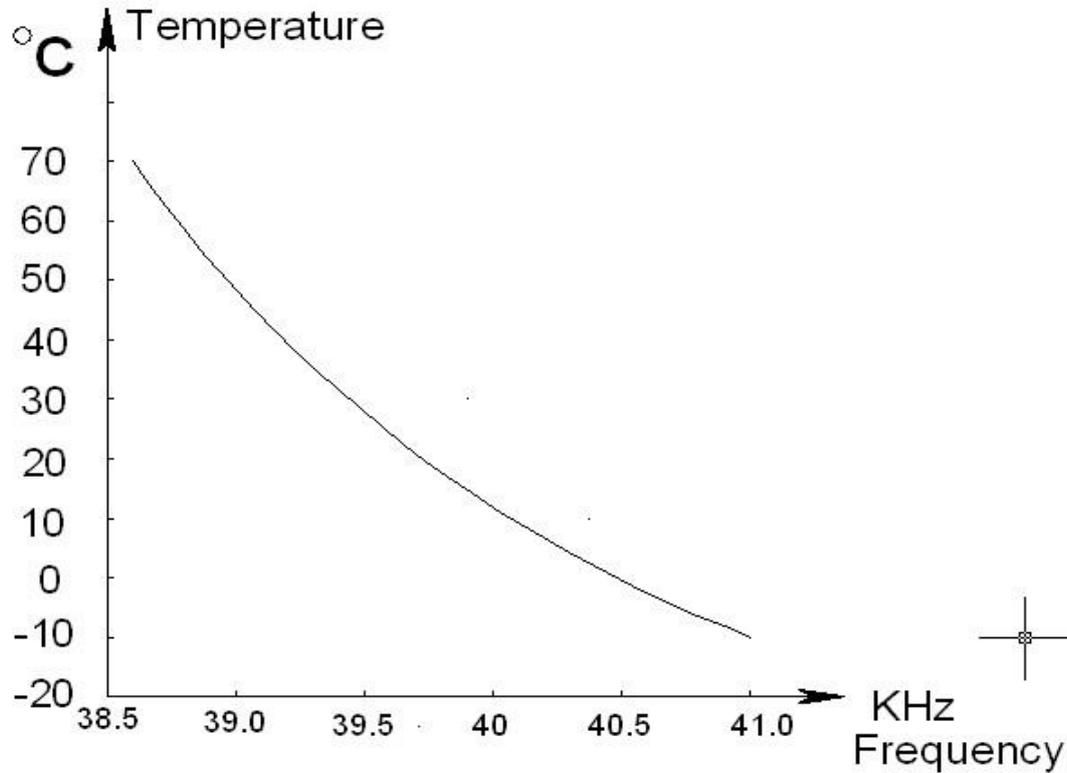
Sensitivity-Freq. Characteristics(receiver)



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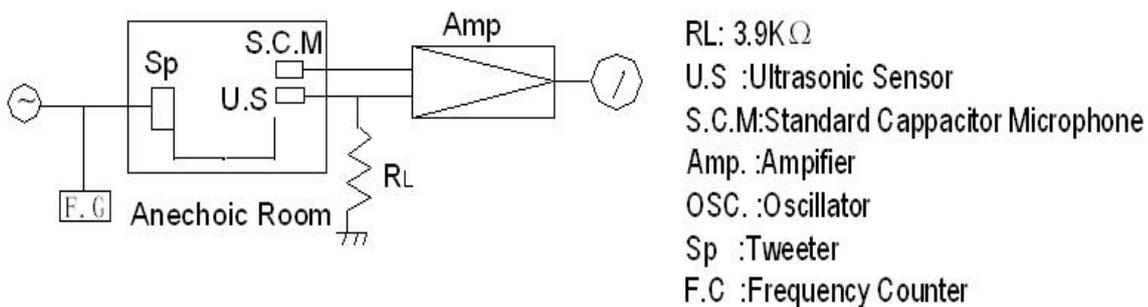
## 产品规格内容

### F. Temperature & Frequency Curve



### G. Test Circuit

#### Receiver



#### Transmitter

