

規格承認書

PECIFICATION FOR APPROVAL

客 戶

CUSTOMER : 立创

項 目

ITEM : 超声波传感器

型 號

TYPE : GU1008C-40TR

描述

DESCRIPTION : $\varnothing$ 10xH7mm 40KHz 开放式 收发一体

客戶料號

CUSTOMER NO. :

規格書號

SPECIFICATION NO.:

版 本

EDITION NO. : V1.1

日 期

DATE : 2015-1-27

客戶承認

CUSTOMER CONFIRM AND SIGN

檢查 TESTED BY	審核 CHECKED BY	承認 APPROVED BY

東莞市贏海電子有限公司

DONGUAN INGHAI ELECTRONICS CO.,LTD

製作 ISSUED BY	審查 CHECKED BY	確認 APPROVED BY
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網址：[HTTP://WWW.INGHAI.COM](http://www.inghai.com)

A. Scope

This specification applies Ultrasonic sensor GU1008C-40TR

B. Characteristics

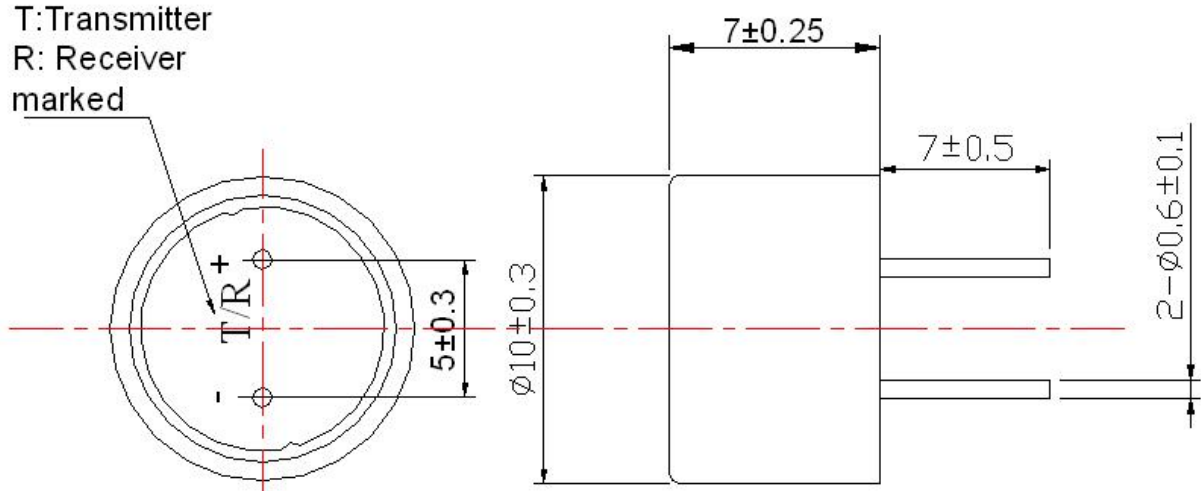
- 1.1) Open structure and separate use
- 1.2) Compact and light weight
- 1.3) High sensitivity and sound pressure
- 1.4) Less power consumption
- 1.5) High reliability

C. Technical terms

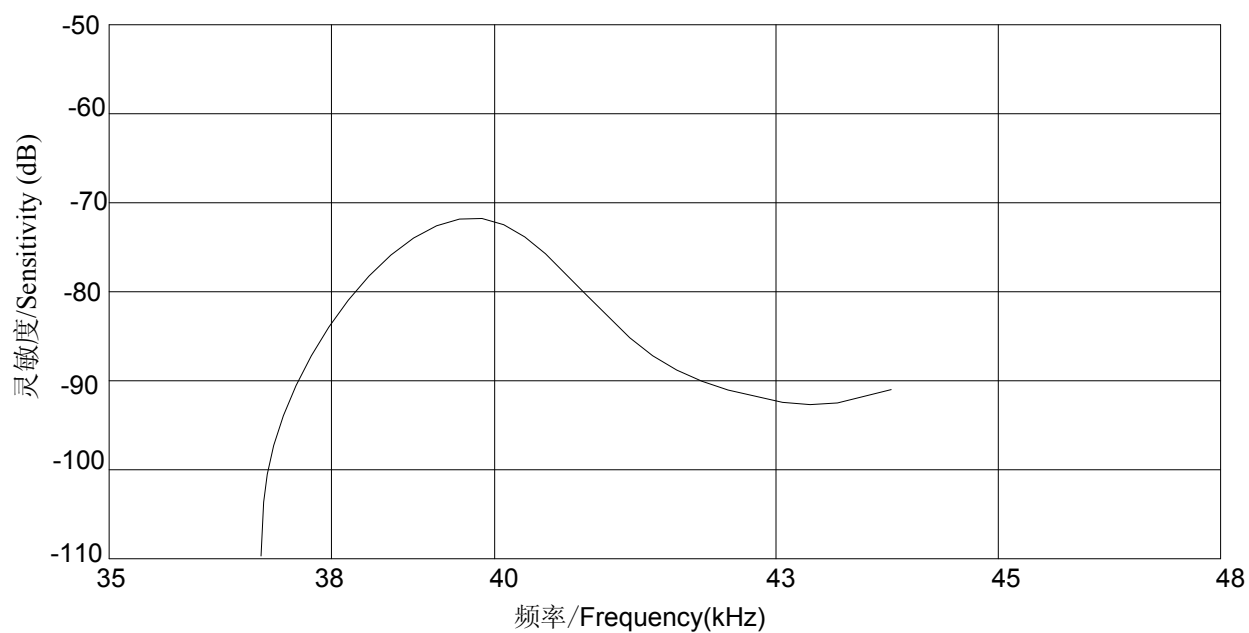
No.	Item	Unit	Specification
1	Construction		Open
2	Using method		Transmitter/Receiver
3	Nominal Frequency	Hz	40K
4	Sensitivity		$\geq -75\text{dBV}/\mu\text{Mbar}$
5	S P L	dB	≥ 108 (10V/30cm/sine wave)
6	Directivity		80deg
7	Capacitance	pF	$2100 \pm 25\% @ 1\text{KHz}$
8	Detectable range	m	0.2....12
9	Operating Temperature	°C	-20....+80
10	Housing material		Al

D .Drawing

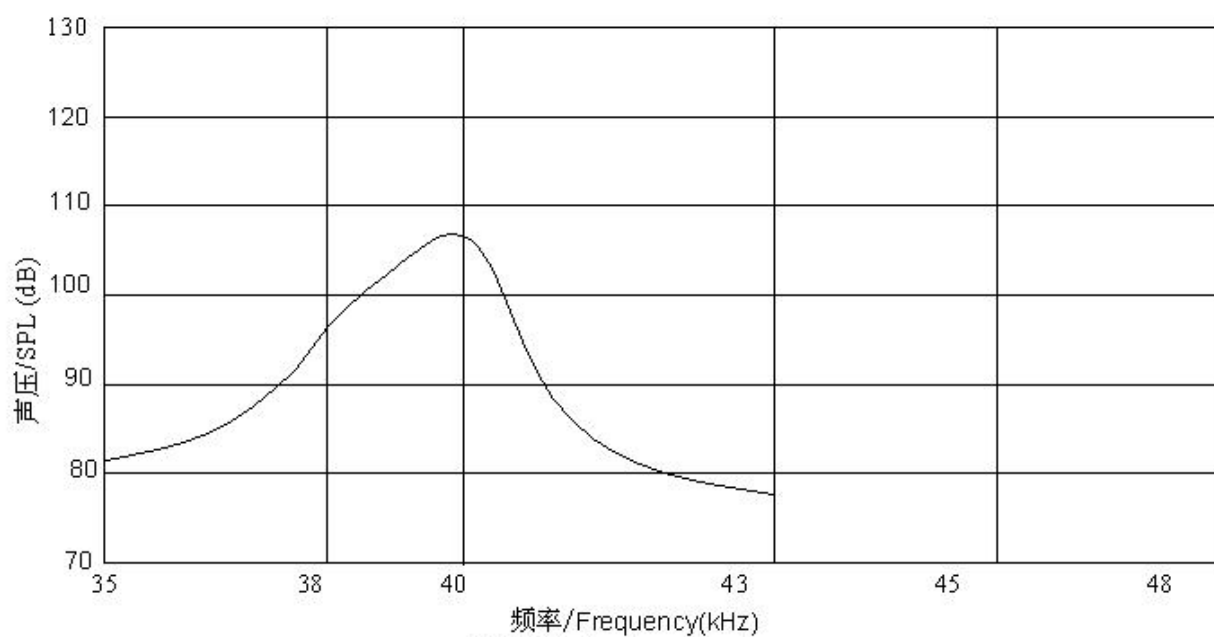
T: Transmitter
R: Receiver
marked



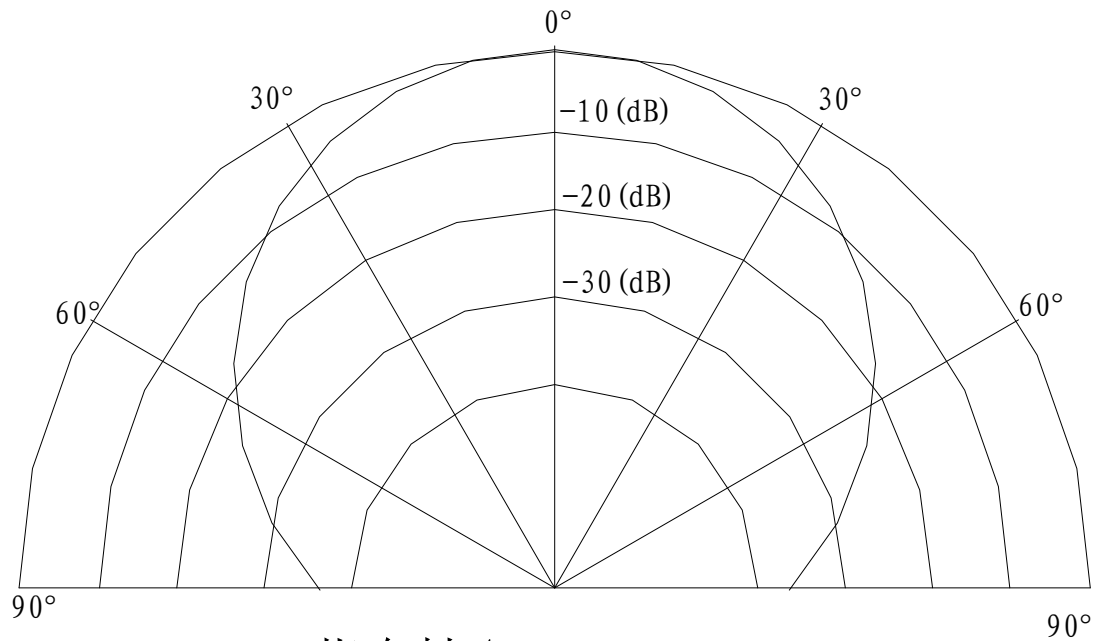
E. Beam Pattern



灵敏度-频率特性图/Sensitivity-Freq.Characteristics



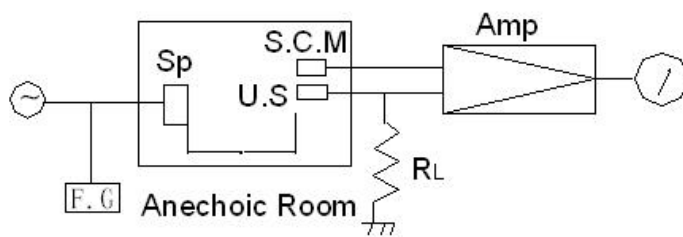
声压-频率特性图/SPL-Freq.Characteristics



指向性/Directivity in Sensitivity

F. Test Circuit

Receiver



RL: $3.9K\Omega$

U.S. :Ultrasonic Sensor

S.C.M:Standard Cappable Microphone

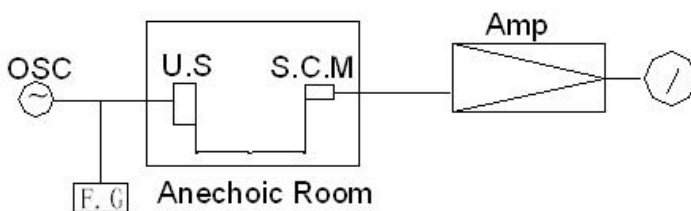
Amp. :Amplifier

OSC. :Oscillator

Sp :Tweeter

F.C :Frequency Counter

Transmitter



U.S. :Ultrasonic Sensor

S.C.M:Standard Cappable Microphone

Amp. :Amplifier

Input voltage:10Vrms

F.C :Frequency Counter

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[25.523.3253.0](#) [9151710023](#) [922FS1.5C-A4P-Z774](#) [SC606ABV0S30](#) [SM552A100](#) [SM952A126100LE](#) [A1220EUA-T](#) [F3S-A162-U](#) [CL18](#)
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