

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 : GU1007C-40TR

描述

DESCRIPTION : $\phi 10 \times H7mm$ 40KHz 开放式, 收发一体

客戶料號

CUSTOMER NO. :

規格書號

SPECIFICATION NO.:

版 本

EDITION NO. : V1.0

日 期

DATE : 2018-4-10

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
周明	刘承成	

地址: 廣東省東莞市虎門鎮懷德社區雅瑤工業區

電話 / TEL: 0769-83060958 傳真 / FAX: 0769-81608993

網址: [HTTP://WWW.INGHAI.COM](http://www.inghai.com)

A. Scope

This specification applies Ultrasonic sensor GU1007AO-40TR

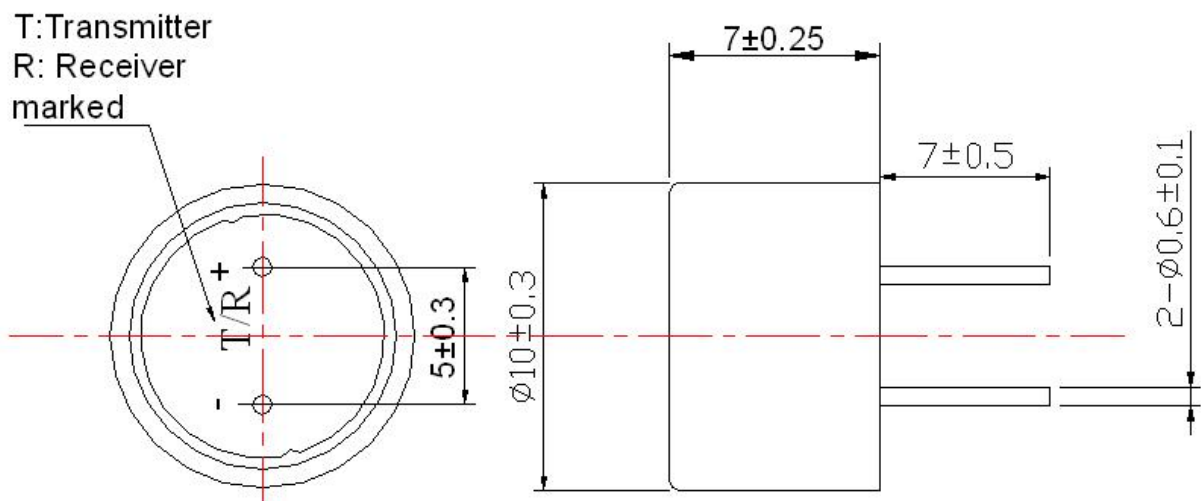
B. Characteristics

- 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

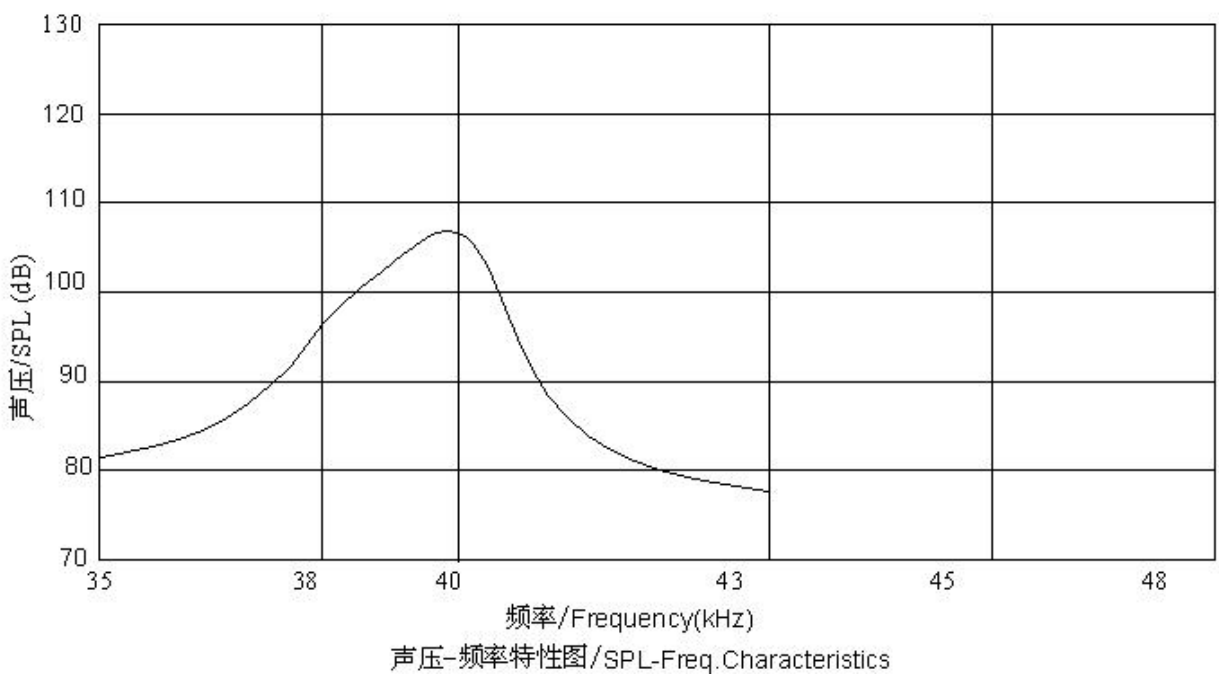
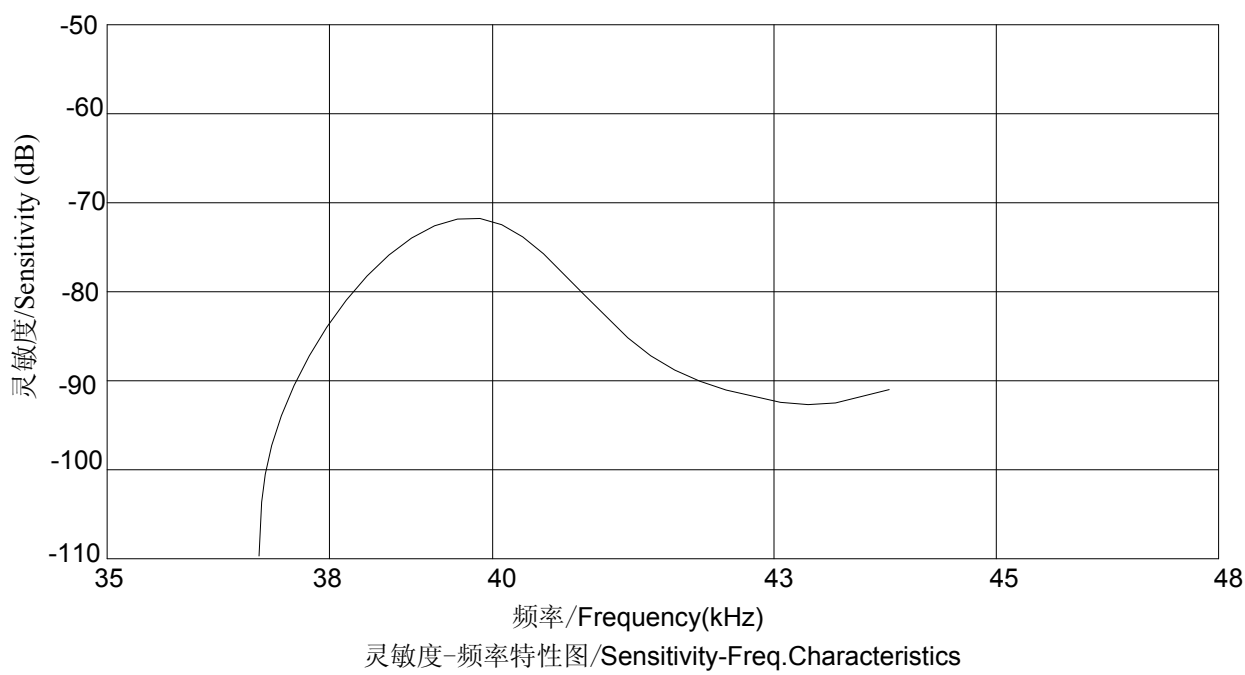
C. Technical terms

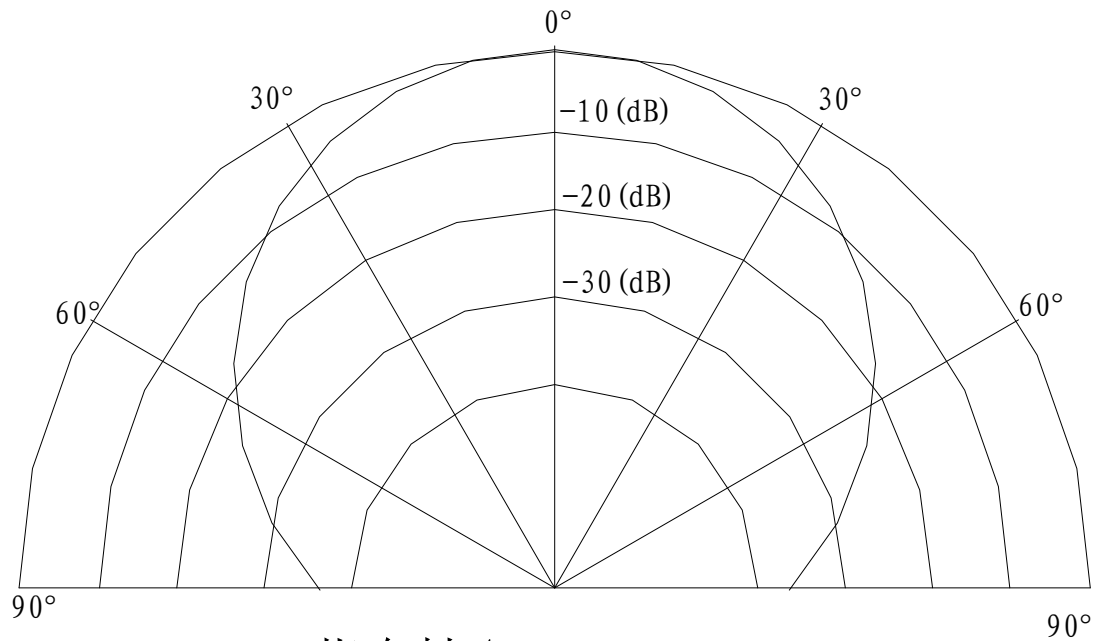
No.	Item	Unit	Specification
1	Construction		Open
2	Using method		Transmitter/Receiver
3	Nominal Frequency	Hz	40K
4	Sensitivity		$\geq -75\text{dBV}/\mu\text{Mbar}$
5	S P L	dB	≥ 108 (10V/30cm/sine wave)
6	Directivity		80deg
7	Capacitance	pF	$2100 \pm 25\% @ 1\text{KHz}$
8	Detectable range	m	0.2...12
9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

D .Drawing



E. Beam Pattern

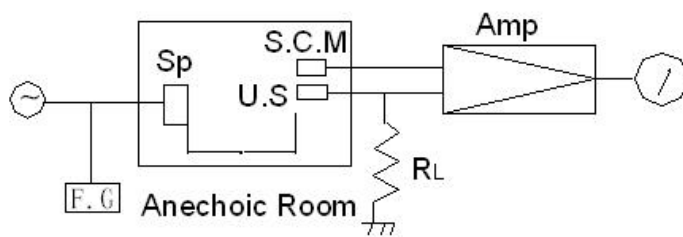




指向性/Directivity in Sensitivity

F. Test Circuit

Receiver



RL: $3.9K\Omega$

U.S. :Ultrasonic Sensor

S.C.M:Standard Capparitor Microphone

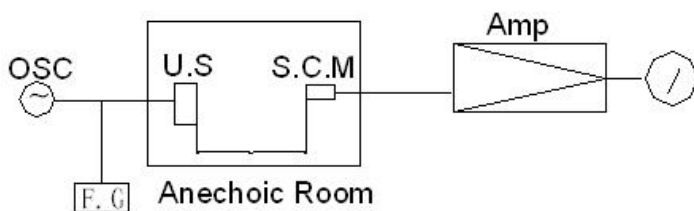
Amp. :Amplifier

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

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[25.523.3253.0](#) [9151710023](#) [922FS1.5C-A4P-Z774](#) [SC606ABV0S30](#) [SM552A100](#) [SM952A126100LE](#) [A1220EUA-T](#) [F3S-A162-U](#) [CL18](#)
[QT-08L](#) [34.110.0010.0](#) [TL-C2MF1-M3-E4](#) [IA08BLF15NOM5](#) [IA08BSF15NOM5](#) [IA12ASF04DOM1](#) [IMM32188C](#) [IS2](#) [IS31SE5000-](#)
[UTLS2-TR](#) [34.110.0021.0](#) [34.110.0022.0](#) [CA150-120VACDC](#) [VM18VA3000Q](#) [XS508BSCBL2](#)