

規格承認書

PECIFICATION FOR APPROVAL

客戶
CUSTOMER : 立創

項目
ITEM : 超声波传感器

型號
TYPE : GU16D01L01-A27

描述
DESCRIPTION : ϕ 25.0xH18.6mm 40KHz L2500mm 收发一体 单角度 60+/-15 度

客戶料號
CUSTOMER NO. :

規格書號
SPECIFICATION NO. :

版本
EDITION NO. : V1.0

日期
DATE : 2018-6-15

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 GU16D01L01-A27

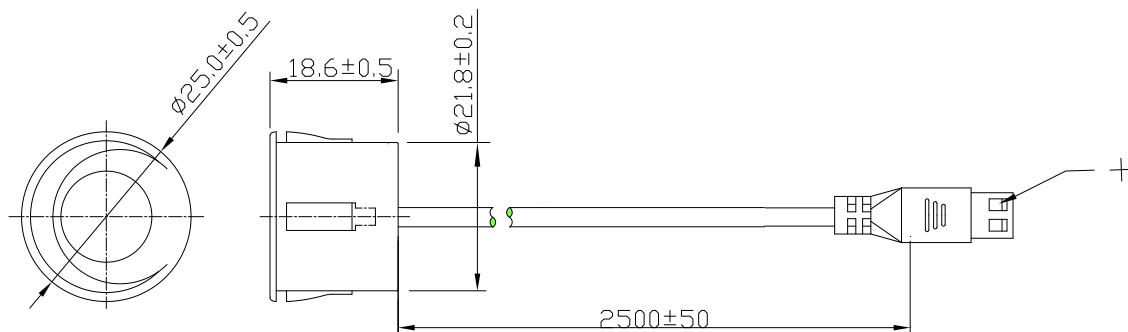
B. Characteristics

- 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

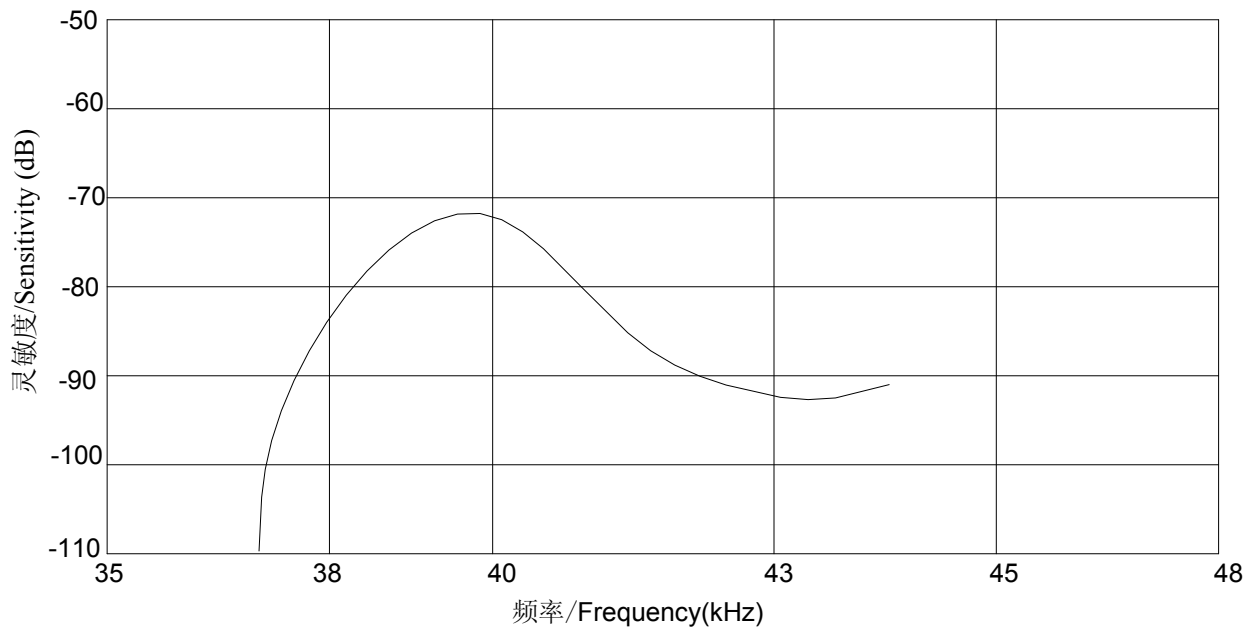
C. Technical terms

No.	Item	Unit	Specification
	Center frequency(KHz)		40 ± 1.0 KHz
	Echo Sensitivity		≥ 250 mV
	Decay Time		≤ 1.2 ms
	Directivity (deg) X-axis		60 ± 15
	Directivity (deg) Y-axis		60 ± 15
	Capacitance (pF)		$2000 \pm 15\%$
	Allowable Maximum Input Voltage(Vp-p)		140(40KHz) Pulse width 0.5ms, interval 20ms
	Operating Temperature($^{\circ}$ C)		-40~+80
	Storage temperature($^{\circ}$ C)		-40~+85

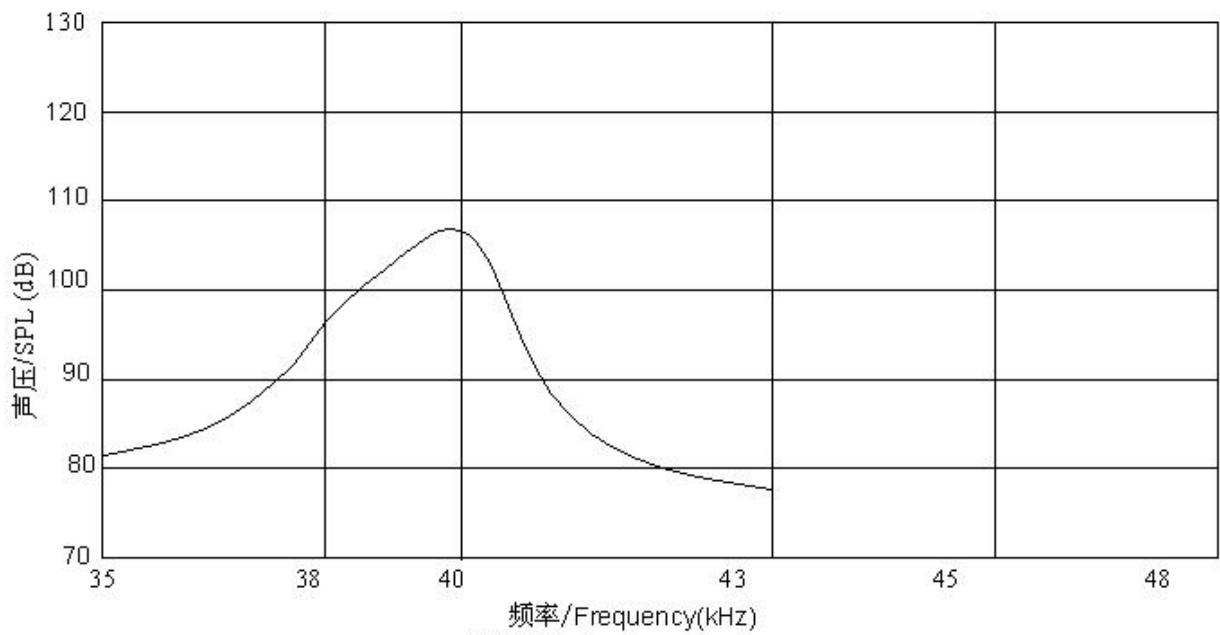
D .Drawing



E. Beam Patten



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 Capparitor Microphone

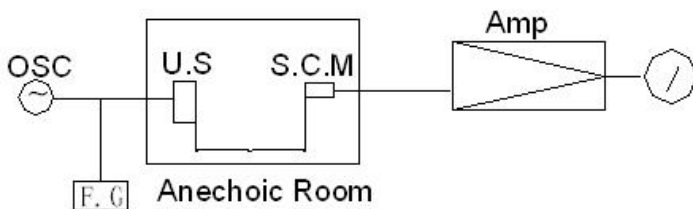
Amp. : Amplifier

OSC. : Oscillator

Sp : Tweeter

F.C : Frequency Counter

Transmitter



U.S : Ultrasonic Sensor

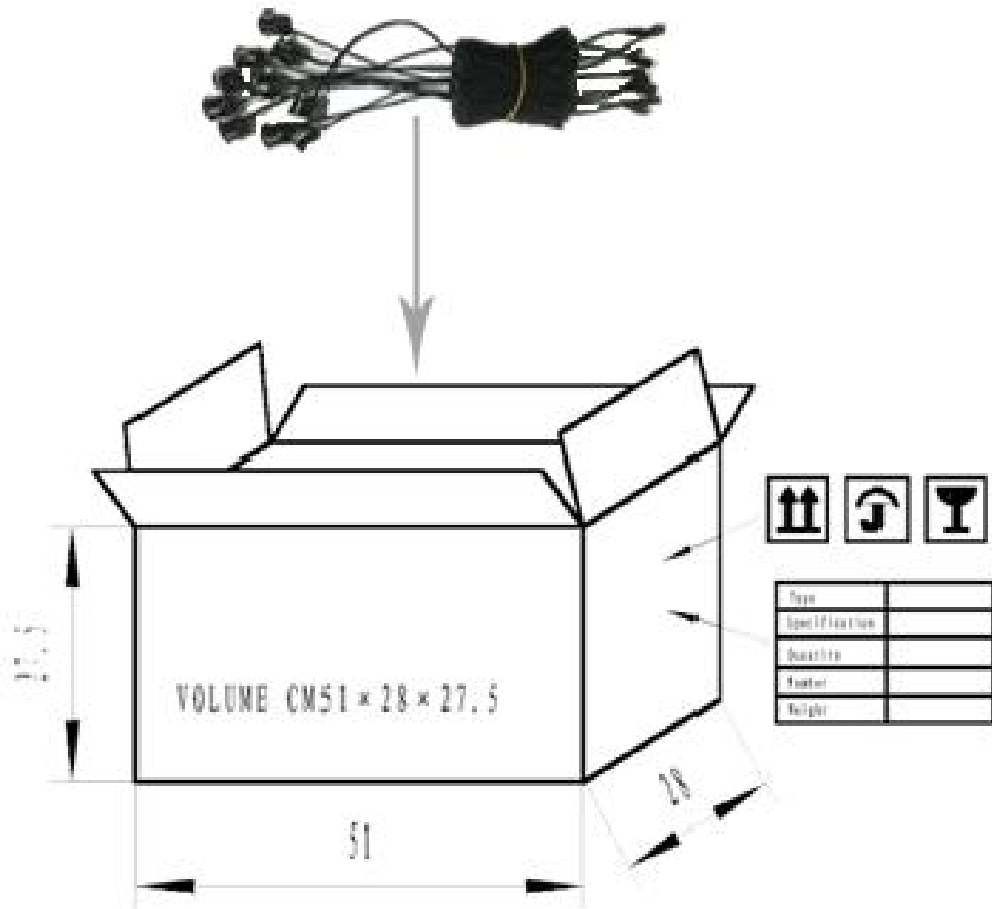
S.C.M: Standard Capparitor Microphone

Amp. : Amplifier

Input voltage: $10V_{rms}$

F.C : Frequency Counter

G. Packing



NOTES:

1. 10 PCS per box
2. Total 30 boxes per carton
3. Total 300 PCS carton
4. Volume: $51 \times 28 \times 27.5$ cm