

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 : GU16B01L01-A17

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	

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

A. Scope

This specification applies Ultrasonic sensor GU16B01L01-A17

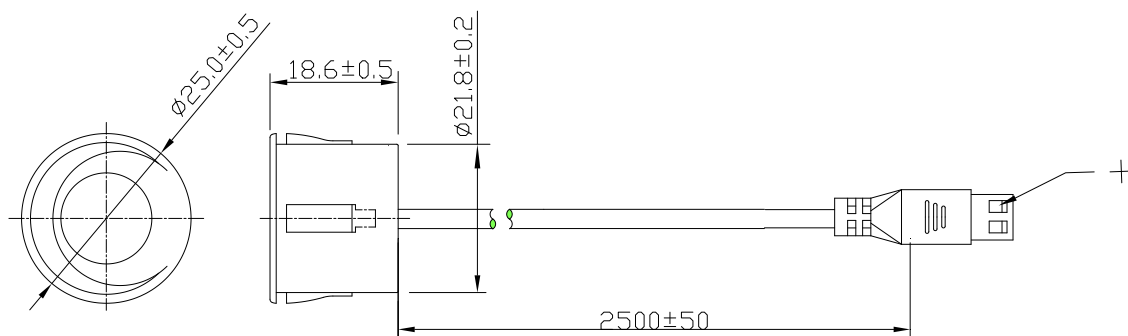
B. Characteristics

- 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

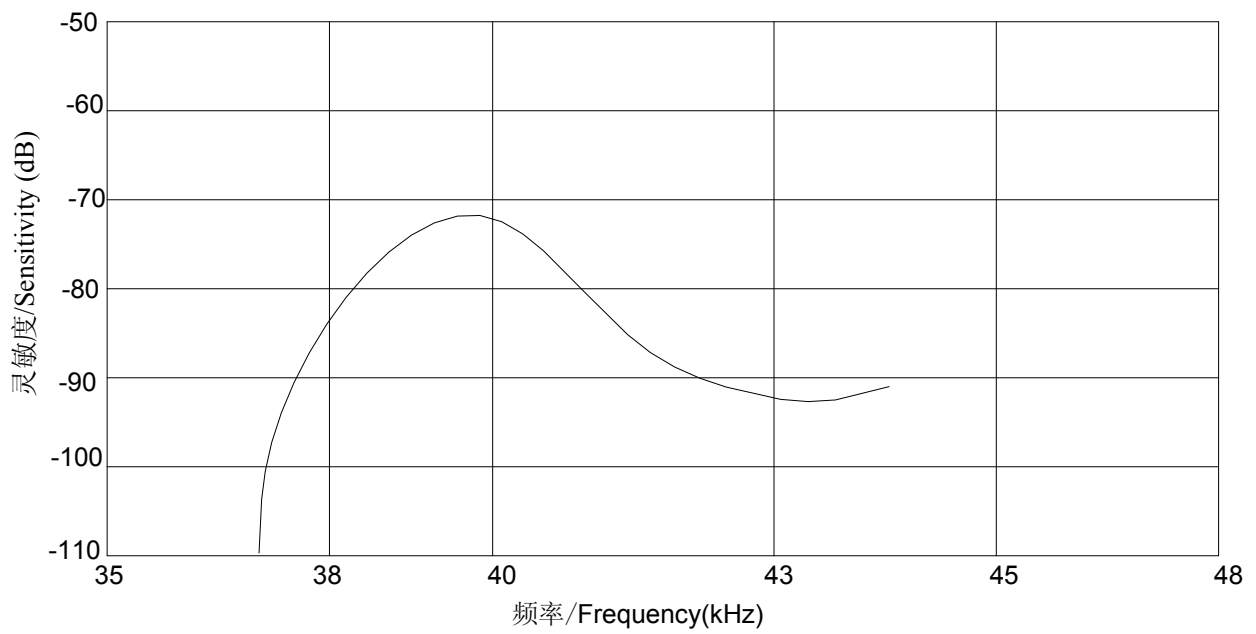
C. Technical terms

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)		$-40 \sim +80$
	Storage temperature($^{\circ}$ C)		$-40 \sim +85$

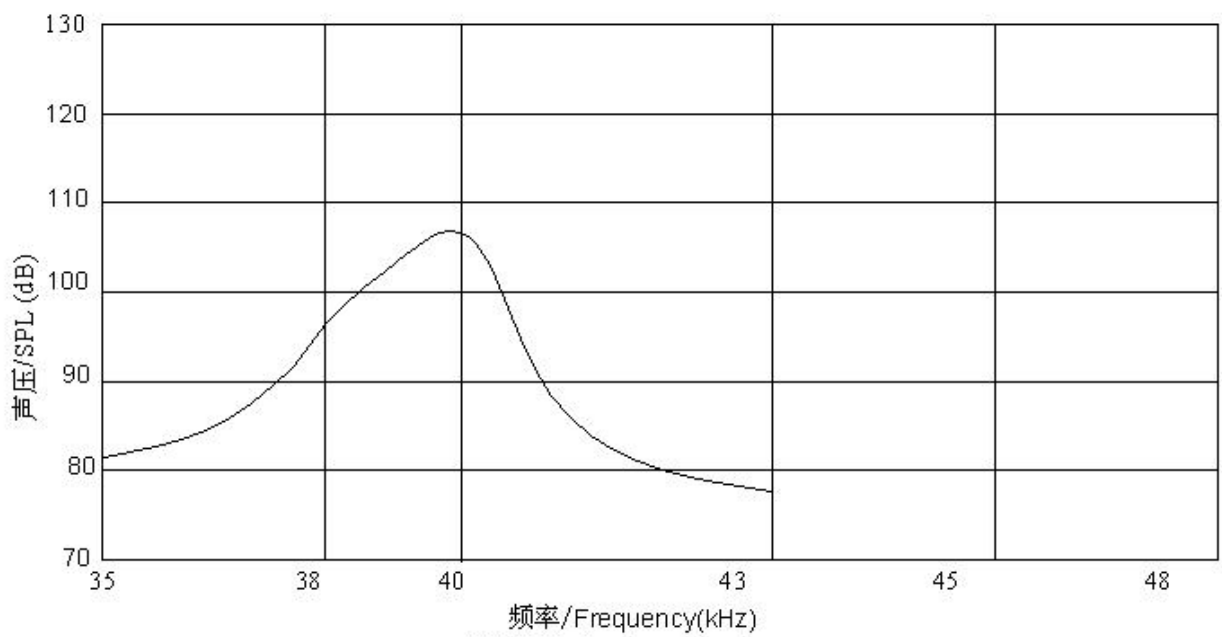
D. Drawing



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 Cappacitor Microphone

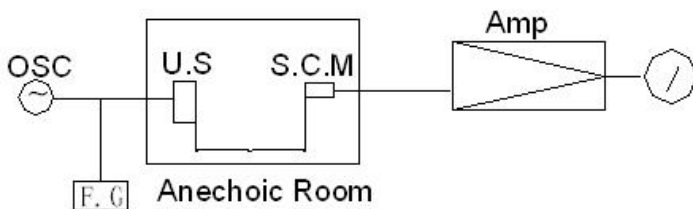
Amp. :Amplifier

OSC. :Oscillator

Sp :Tweeter

F.C. :Frequency Counter

Transmitter



U.S. :Ultrasonic Sensor

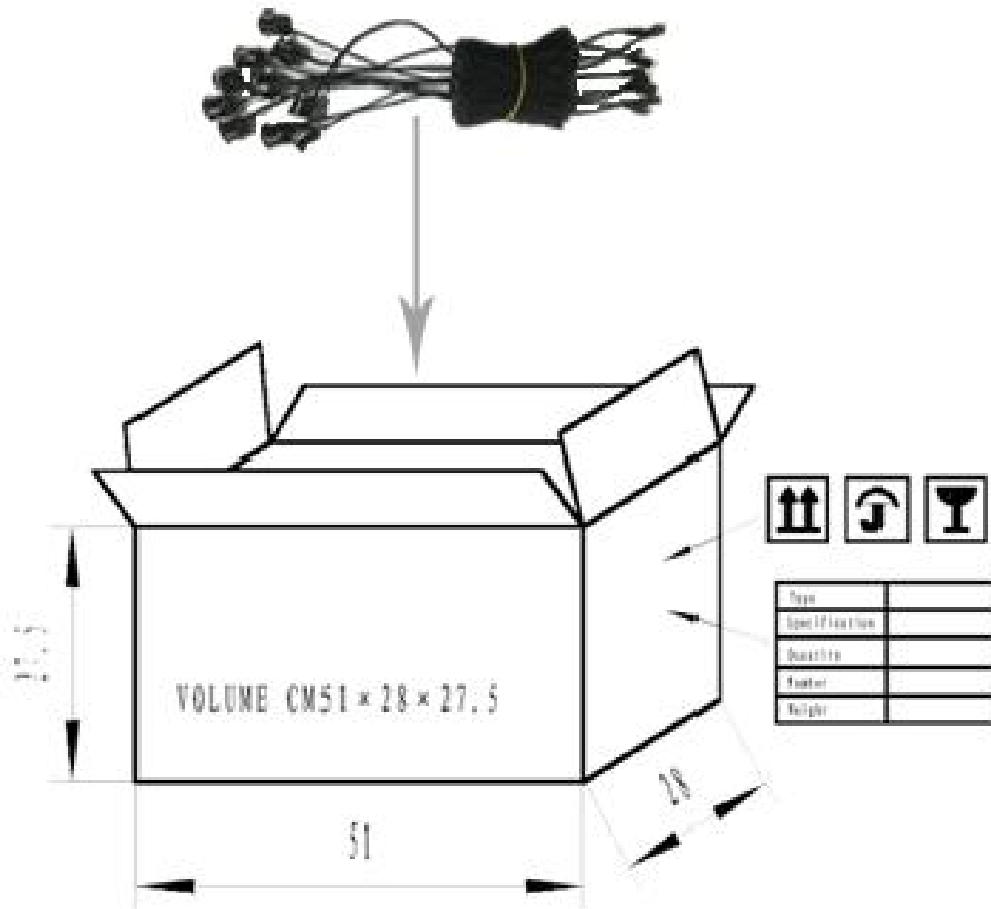
S.C.M:Standard Cappacitor Microphone

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