SPECIFICATION FOR APPROVAL

承　　认　　书

Customer	:	
Description	:	**Ultrasonic sensor**
Vender's Part No.	:	**KS-P1040H07T/R**
Customer No.	:	
Date	:	2014-03-19

CUSTOMER'S APPROVED SIGNATURE		

DONGGUAN COSSON ELECTRONIC PLASTIC CO.,LTD

东莞市科森电子塑胶有限公司

RoHS

ADD: N096, binhe road, shatou , ChangAnTown, DongGuan city Guangdong Province China
Tel:+86-769-81885857　Fax:+86-769-81885897

Approved By	Checked By	Made By
colin	**Chen JO**	**ALICE**

A、SCOPE 范围

This specification applies ultrasonic sensor diaphragm, KS-P1040H07T/R

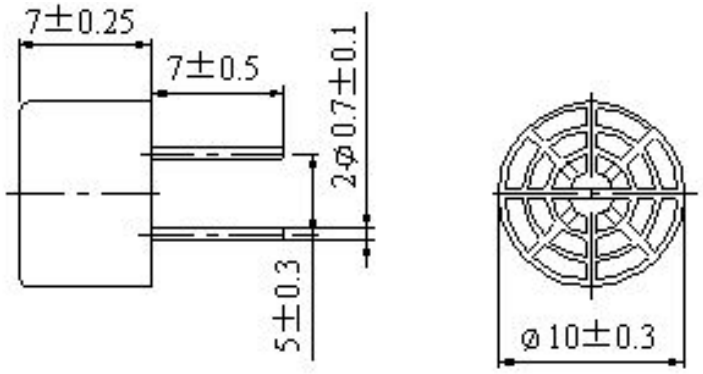
此规格适用于超声波传感器, KS-P1040H07T/R

B、SPECIFICATION 规格

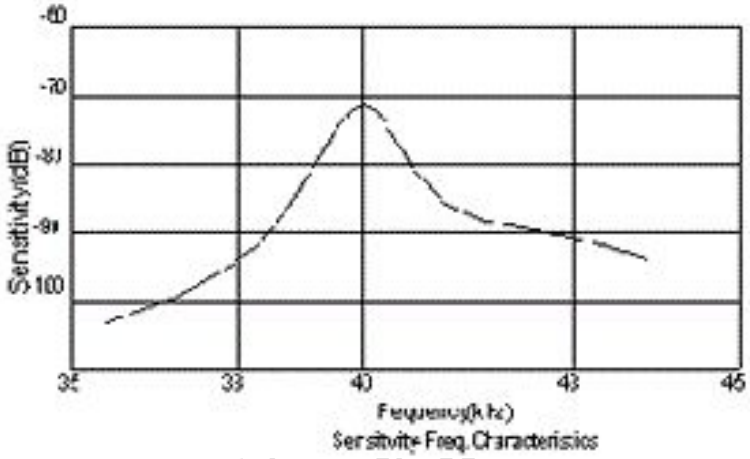
No.	Item	Unit	Specification		
			*KS-P1040H07T	*KS-P1040H07R	Condition
1	结构方式 Construction		Open structure type 开放式	Open structure type 开放式	
2	使用方法 Using Method		Transmitter 发射头	Receiver 接收头	
3	中心频率Fo Center Frequency	KHz	40±1	40±1	
4	自由电容 Free Capacitance	PF	2000±20%	2000±20%	at 1KHz
5	声压 Min. Sound Pressure level	dB	≥120	——	10Vrms/30cm
6	灵敏度 Sensitivity	dB	——	≥-63±3	
7	最大输入电压 Maximum input voltage	Vp-p	40	40	
8	外壳材料Material		Plastic 塑胶	Plastic 塑胶	
9	Operating temp 操作温度	℃	-30～+85	-30～+85	
10	Storage temp 储存温度	℃	-40～+90	-40～+90	
11	Dimension 尺寸	mm	10*7	10*7	See appearance drawing
12	Weight	g	1.0	1.0	

C、APPEARANCE DRAWING 外观尺寸图

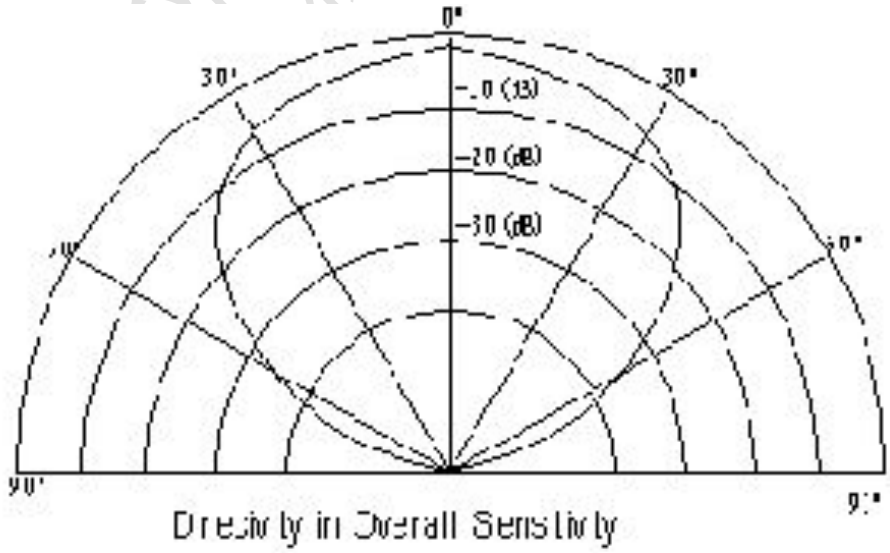
Model NO : KS-P1040H07T/R Unit:mm



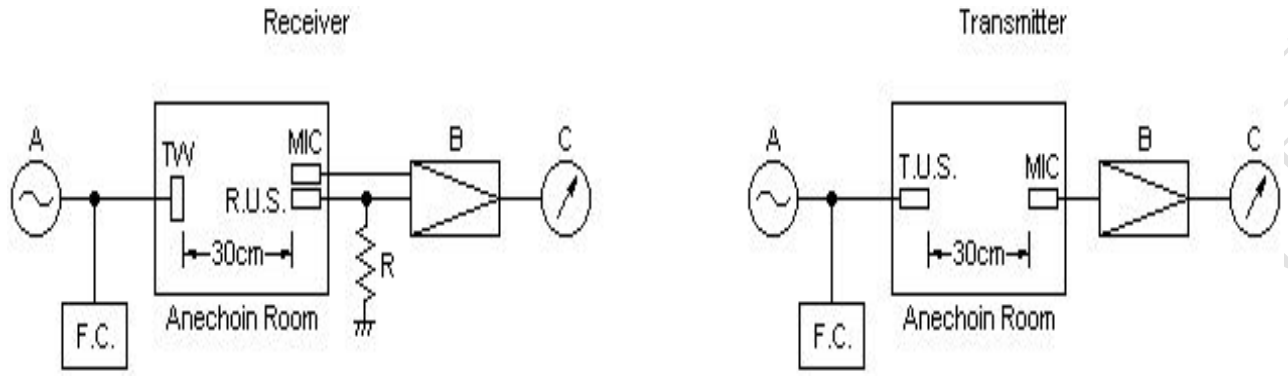
D、INPUT VOLTAGE/S.P.L CHARACTERISTICS 频率特性图



E、DIRECTIVITY 方向特性图



F、TEST CIRCUIT 测试线路推荐



A: Oscillator B: Amplifier C: Voltmeter R: 3.9K MIC: Microphone TW: Tweeter R.U.S.: Receiver Ultrasonic Sensor T.U.S.: Transmitter Ultrasonic Sensor F.C.: Frequency Counter

※ NOTES

⌘ This sensor is designed for use in air. Do not use this sensor in fluid.

⌘ To prevent sensor malfunctions, operational failure or any deterioration of its characteristics, do not use this sensor in the following, or similar conditions.

A. In strong shock or vibration.

B. In high temperature and humidity for a long time. C.In corrosive gases or sea breeze.

D.In an atmosphere of organic solvents.

In dirty and dusty environments that may contaminate the sensor front.