

ULTRASONIC SENSOR

Customer	
Customer P/O	
Bestar Model Name	BPU-1640IOPH12
Product No.	100200
Issue No.	BS/TEP01.118A
Issue Date	02/11/02

Approval:

- 1.Applications
- 2.Features
- 3.Technical terms
- 4.Drawing
- 5.Beam Pattem
- 6.Test Circuit



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BPU-1640IOPH12

1.Applications

Burglar alarms、 Range finders、 Automatic doors、 Remote control.

2.Features

- 2.1) Open struct and Dual use
- 2.2) Compact and light weight.
- 2.3) High sensitivity and sound pressure.
- 2.4) Less power consumption.
- 2.5) High reliability

3.Technical terms

Item	Unit	Specification
Construction		Open Struct
Using Method		Dual Use
Center Frequency	Hz	40k
Transmitting Sound Pressure Level	dB	≥106(30cm/10Vrms Sine Wave)
Receive Sensitive	dB	≥-74dB/V/ μ bar
-6dB Directivity	deg	50
Sensitivity Distance	m	0.7~15m
Capacitance	pF	2500±20% at1KHz
Operating Tem.Range	℃	-30 to 85
Allowable Input Voltage	Vp-p	120(40KHz)
Housing Material		Plastic

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CHEC.

DATE

3rd angle
projection

Ultrasonic Sensor

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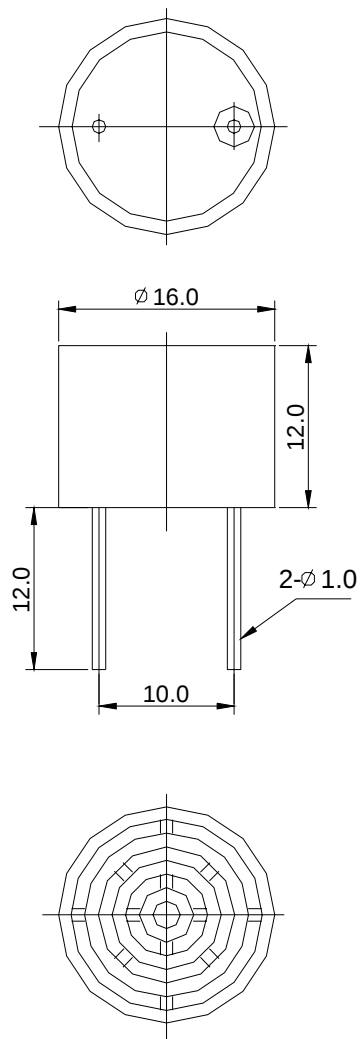
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4. Drawing



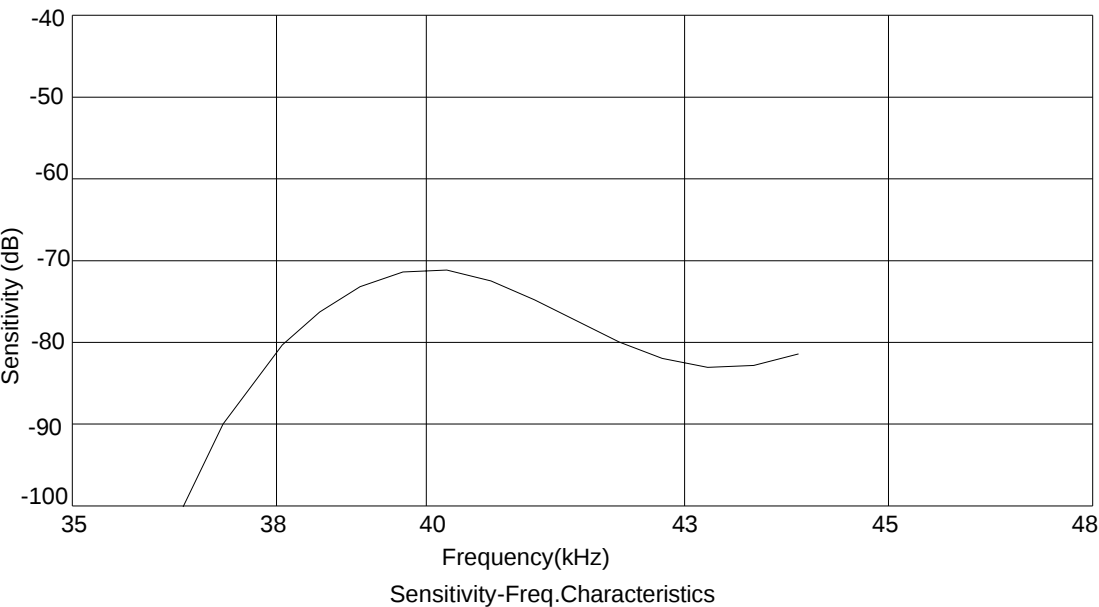
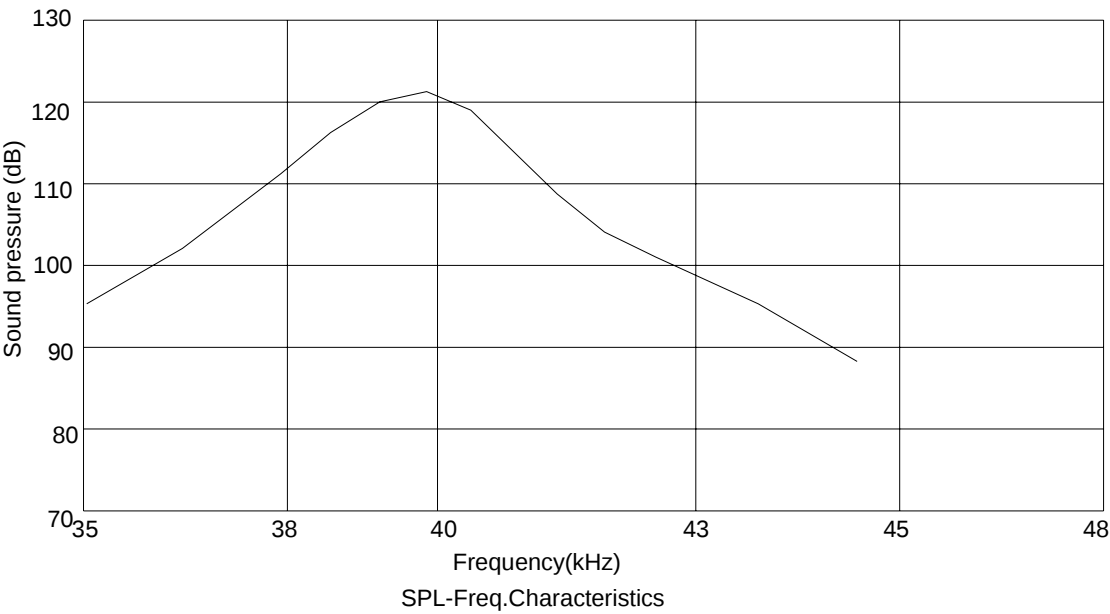
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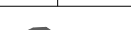
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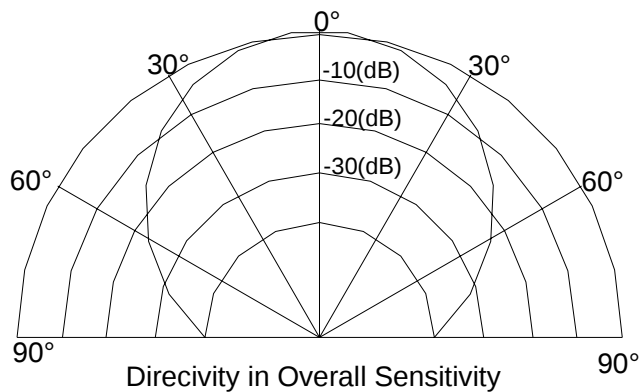
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5. Beam Patten

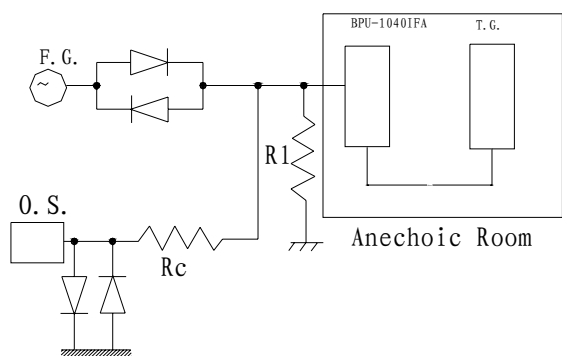


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6.Test circuit



RI: 3.9K Ω

Rc=1k Ω

T.G. :Target

F.G. :Function Generator

O.S. :Oscilloscope

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