

ULTRASONIC SENSOR

Customer	
Customer P/O	
Bestar Model Name	BPU-1625IOAH12
Product No.	100700
Issue No.	BS/TEP01.126A
Issue Date	04/03/29

Approval:

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



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BPU-1625IOAH12

1.Applications

Burglar alarms、 Range finders、 Automatic doors、 Remote control

2.Features

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

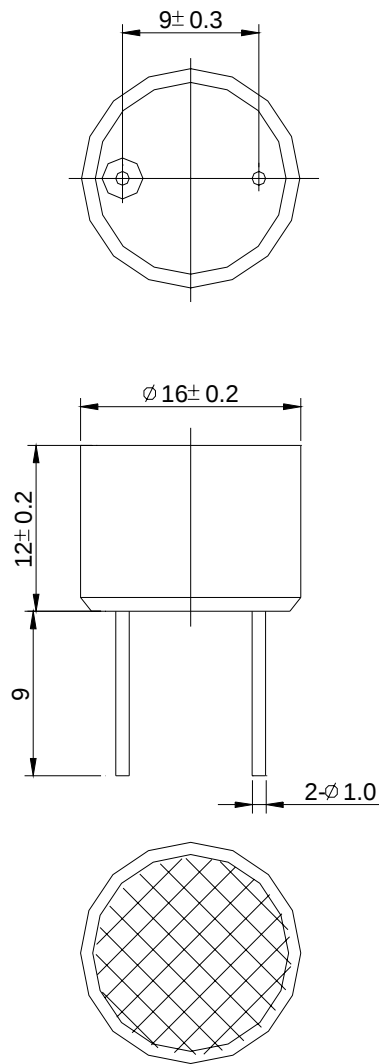
3.Technical terms

Item	Unit	Specification
Construction		Open Struct
Using Method		Dual Use
Center Frequency	KHz	25
Output Sound Pressure	dB	min.106(effective Value 10v/30cm)
Receive Sensitive	dB	min.-74/V/ μ bar
Directivity	deg	80
Capacitance	pF	2500 $\pm$ 20% at1KHz
Operating Tem.Range	$^{\circ}$ C	-30 to 85
Max. Input Voltage	Vp-p	20/puse with 0.4ms
Detectable Range	m	0.7~15
Housing Material		Aluminium

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4. Drawing



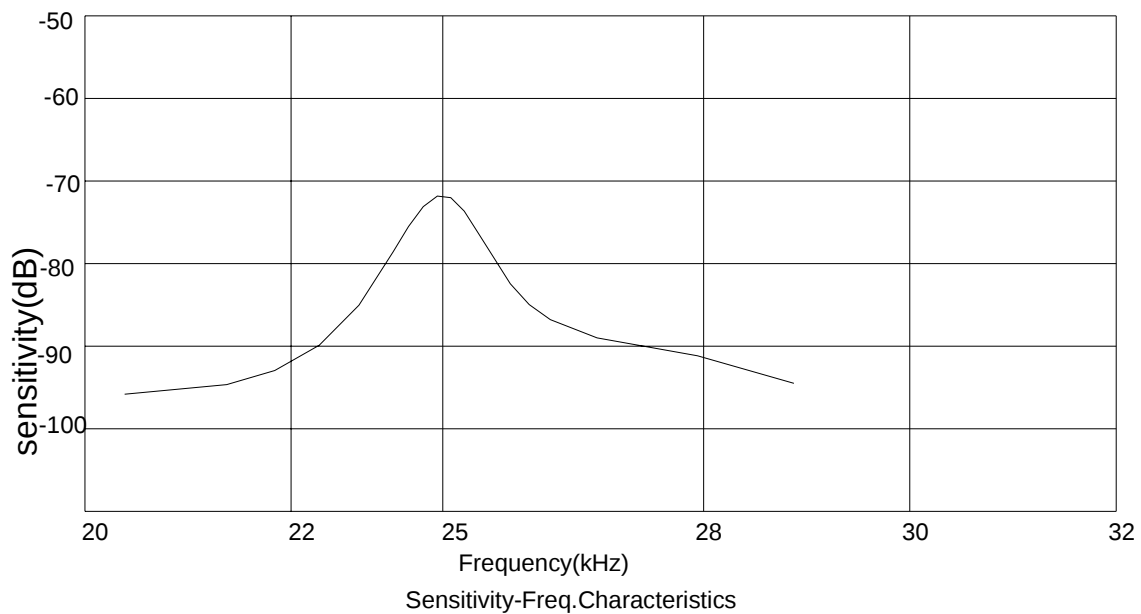
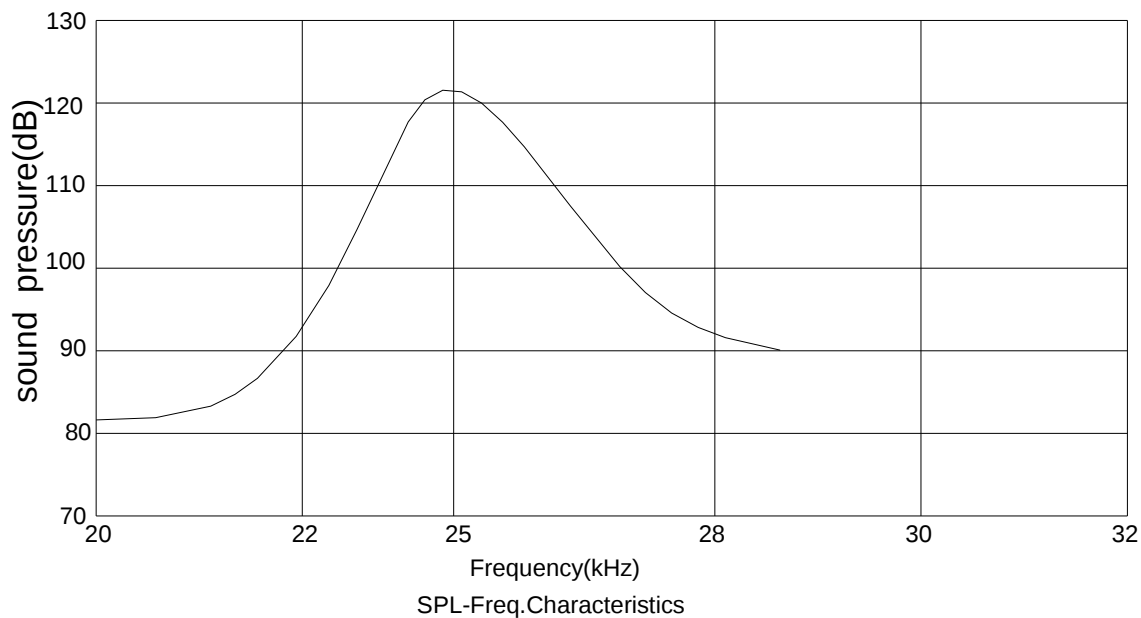
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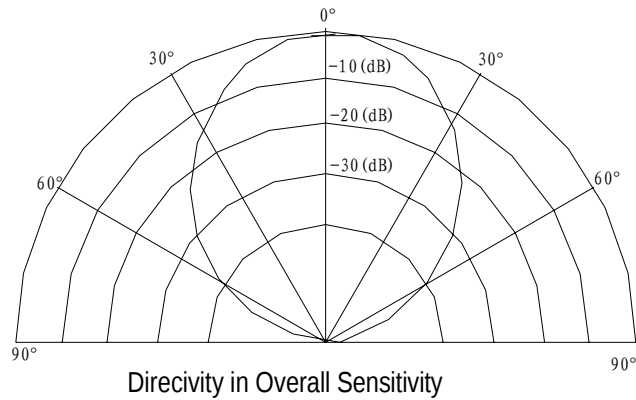
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5. Beam Pattern

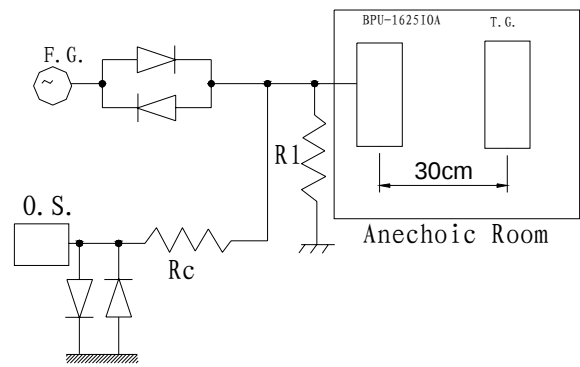


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6.Test circuit



R1: 3.9Kohm Rc=1kohm

T.G. :Target
F.G. :Function Generator
O.S. :Oscilloscope

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