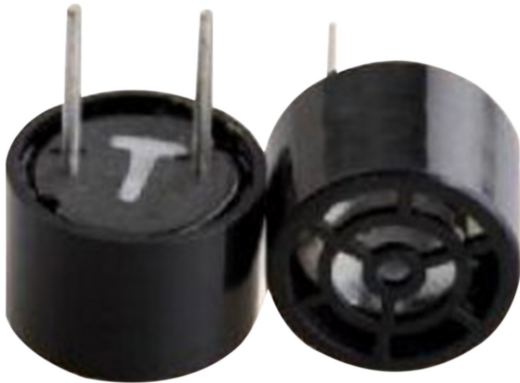


Ultrasonic Sensor Receiver

multicomp PRO



Applications:

- Burglar alarms
- Range finds
- Automatic doors
- Remote control

Features:

- Open structure and fission
- Compact and light weight
- High sensitivity and sound pressure
- Less power consumption
- High reliability

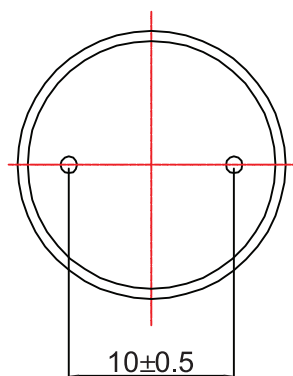
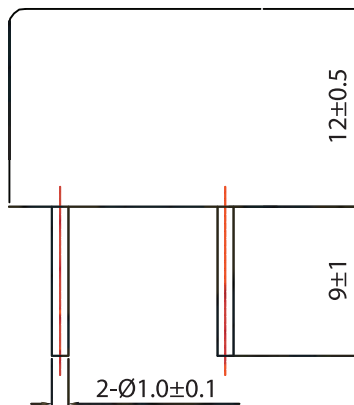
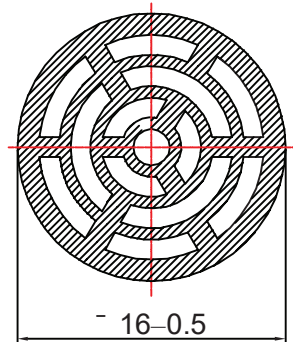
Technical Terms:

No	Item	Specification
1	Part Number	MCUSR16P40B12RO
2	Construction	Open Structure
3	Using Method	Receiver
4	Centre Frequency	39 ±1kHz
5	Sound Pressure Level(at 40kHz) min.110dB (10V/30cm)	-
6	Sensitivity at 40kHz	min. -65dB /V/μbar
7	Capacitance	2,500pF ±25% at 1kHz
8	Directivity	50°
9	Operating Temperature Range	-35°C to +85°C
10	Storage Temperature Range	-35°C to +85°C
11	Detectable Range	0.7...18m
12	Housing Material	ABS

Ultrasonic Sensor Receiver

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Drawing:

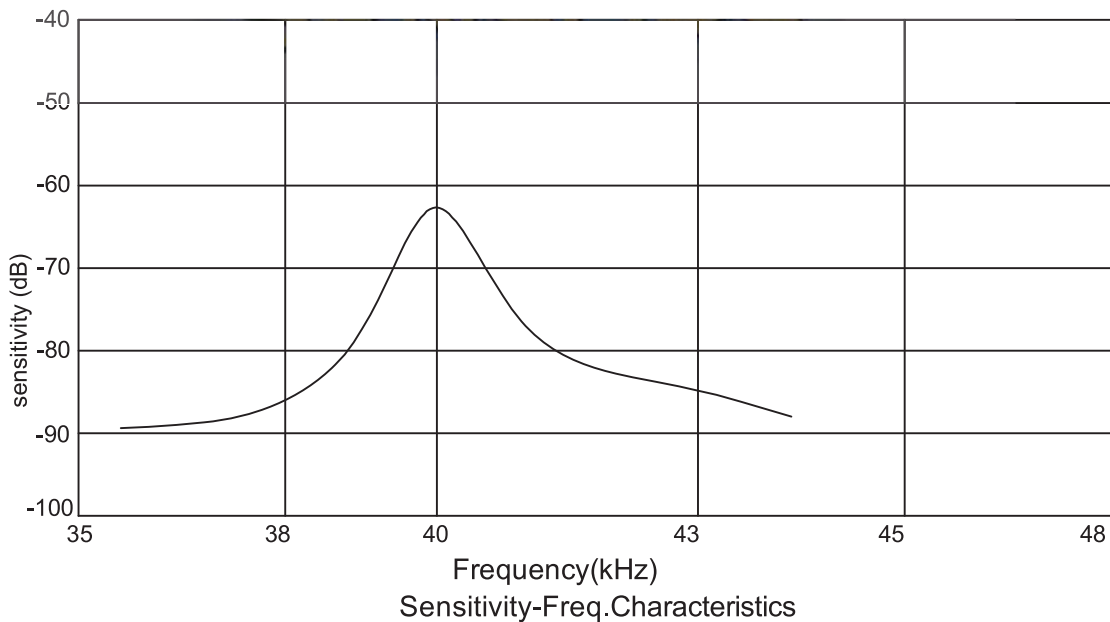
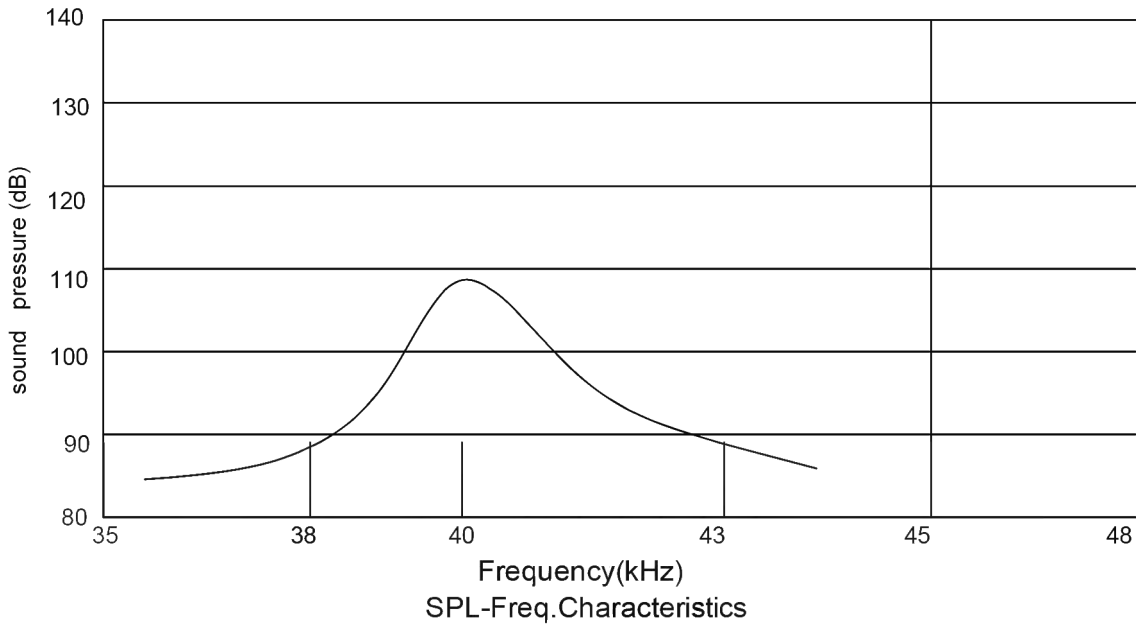


Dimensions : Millimetres

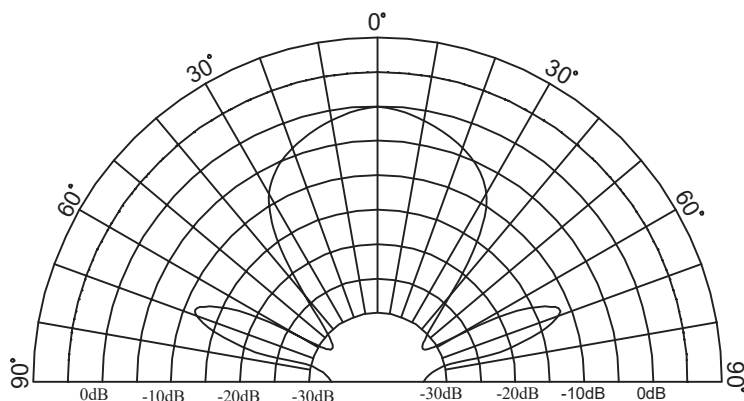
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Ultrasonic Sensor Receiver

Beam Pattern:

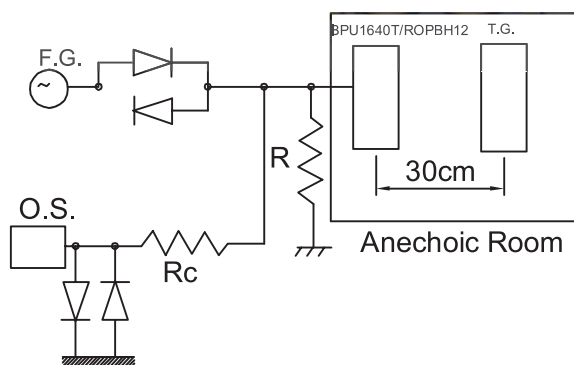


Ultrasonic Sensor Receiver



Directivity in OverallS ensitivity

Test Circuit:



- R : 3.9kΩ Rc=1kΩ
- T.G. : Target
- F.G. : Function Generator
- O.S. : Oscilloscope

Part Number Table

Description	Part Number
Receiver, 39kHz, 16mm, Plastic	MCUSR16P40B12RO

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