

# MCUSD16P40B12RO



## Applications:

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

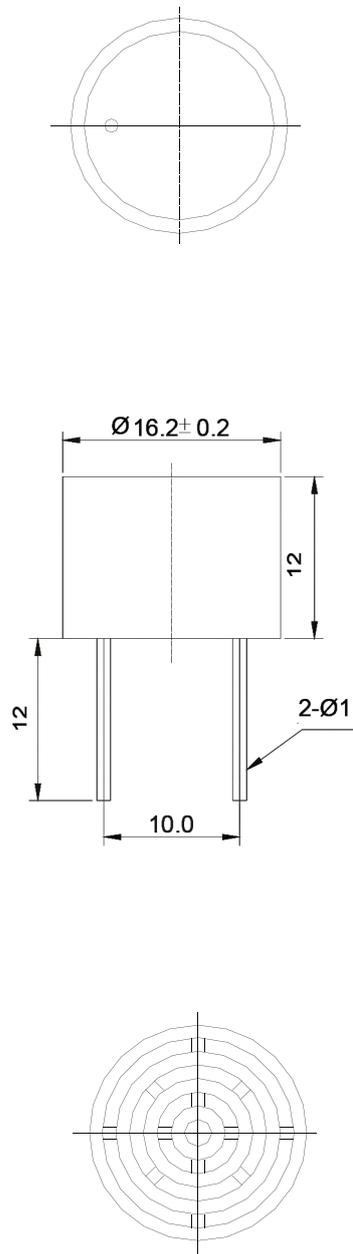
## Features:

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

## Technical Terms:

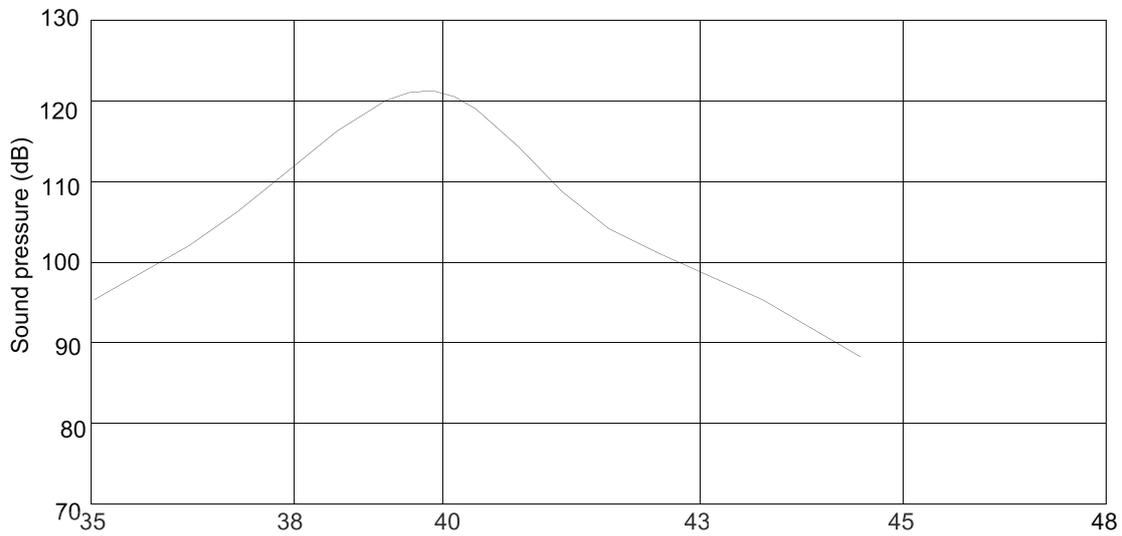
No	Item	Specification
1	Part Number	MCUSD16P40B12RO
2	Construction	Open struct
3	Using Method	Dual Use
4	Frequency	40 ± 1KHz
5	Transmitting Sound Pressure Level	min. 112dB (30cm/10V rms Sine Wave)
6	Receive Sensitive	min.-74dB/V/ μbar
7	-6dB Directivity	50°
8	Aftershock Time	max. 1.5ms
9	Sensitivity Distance	0.6m to 16m
10	Capacitance	3,000pF 20% at1kHz
11	Soldering conditions	350°C to 400°C
12	Operating Temperature. Range	-30°C to 85°C
13	Allowable Input Voltage	120Vp-p (40kHz)
14	Housing Material	Plastic

Drawing:

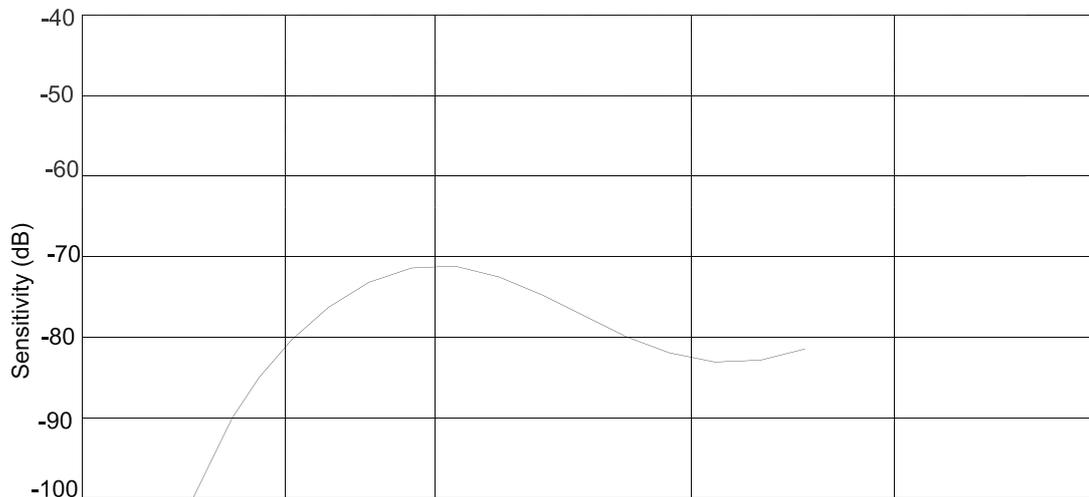


Dimensions : Millimetres

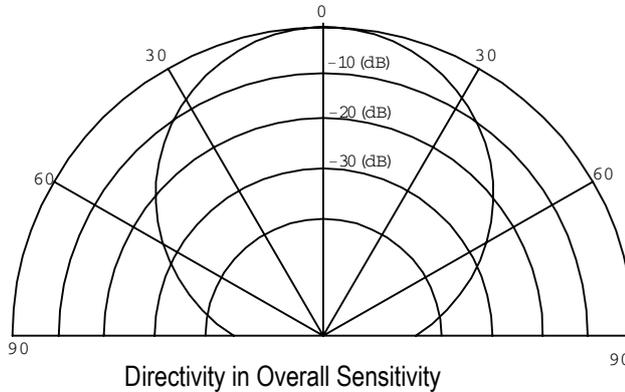
## Beam Pattern:



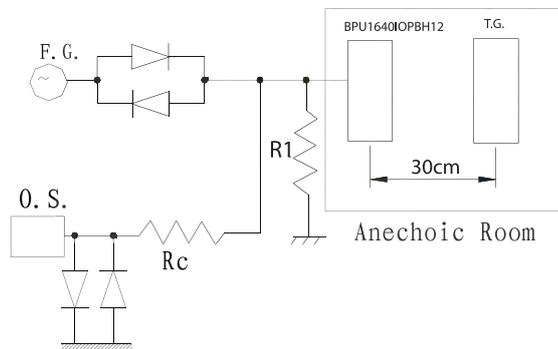
Frequency(kHz)  
SPL-Freq.Characteristics



Frequency(kHz)  
Sensitivity-Freq.Characteristics



### Test Circuit:



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

### Part Number Table

Description	Part Number
Transceiver, 40kHz, 16mm, Plastic	MCUSD16P40B12RO

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