MCUSR16A39S12RO

multicomp



Applications:

This specification covers the water proof type ultrasonic ceramic transducer which are used for receiver and transmitter of ultrasonic waves.

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	MCUSR16A39S12RO
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	min65dB /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	0.718m
12	Housing Material	Aluminium

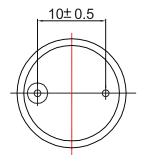
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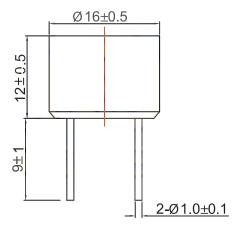


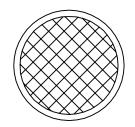
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Drawing:







Tolerance ± 0.5

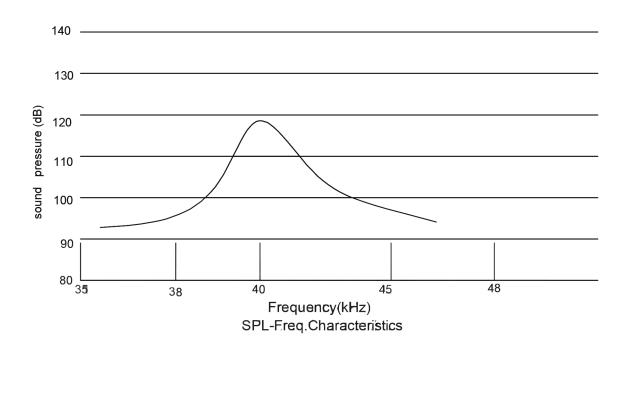
www.element14.com www.farnell.com www.newark.com Dimensions : Millimetres

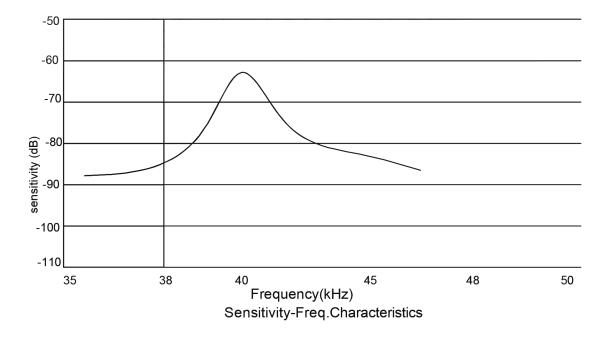


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Beam Pattern:

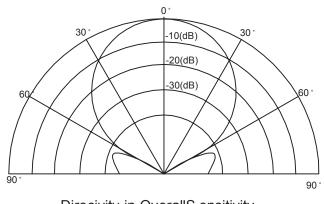




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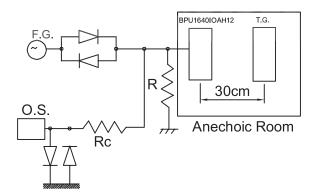






Direcivity in OverallS ensitivity

Test Circuit:



R	: 3.9K Rc=1kΩ
T.G.	:Target
F.G.	:Function Generator
	- ···

O.S. :Oscilloscope

Part Number Table

Description	Part Number
Receiver, 39kHz, 16mm, Metal	MCUSR16A39S12RO

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