

# Miniature Speaker

multicomp **PRO**

RoHS  
Compliant



## Applications

- Computer and peripherals
- Telecommunication units

## Features

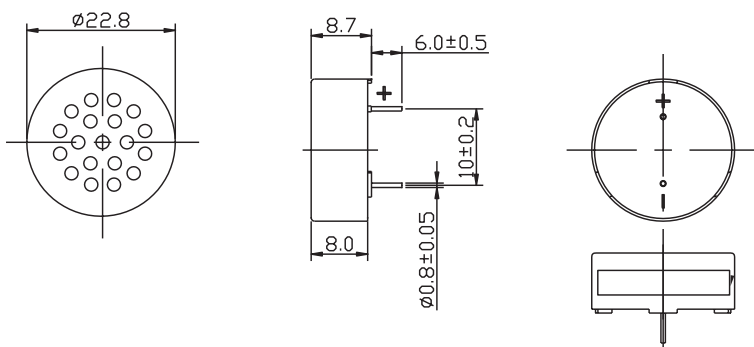
- Low profile
- Cone material: Mylar
- PCB mountable
- Wave solderable

All data at 25°C unless otherwise specified

## Specifications

Rated Input Power	: 0.08W
Max. Input Power	: 1.5W
Rated Impedance	: $8\Omega \pm 15\%$ / 2kHz / 1V
Resonance Frequency (f <sub>0</sub> )	: 1500Hz $\pm 20\%$ Hz / 1V
Sound Pressure Level	: $\geq 73$ dB at 1 kHz 0.1W / 0.1m
Frequency Range	: 700Hz to 4kHz
Total Harmonic Distortion	: 10% Max. at 2.4kHz, 0.08W
Polarity	: When a positive DC Current is applied to the voice coil terminal marked + or red, the diaphragm shall move forward
Buzz, Rattle, etc.	: Should not be audible at 0.8V sine wave between (f <sub>0</sub> ~ 4kHz)
Voice Coil Diameter	: $\varnothing 7.2$ mm
Magnet (NdFeB)	: $\varnothing 6.5$ mm $\times$ 1.5mm
Dimension	: $\varnothing 22.5$ mm $\times$ 8.5mm
Operating and Storage Temp.	: -20°C to +60°C
Weight	: 5g

## Diagram



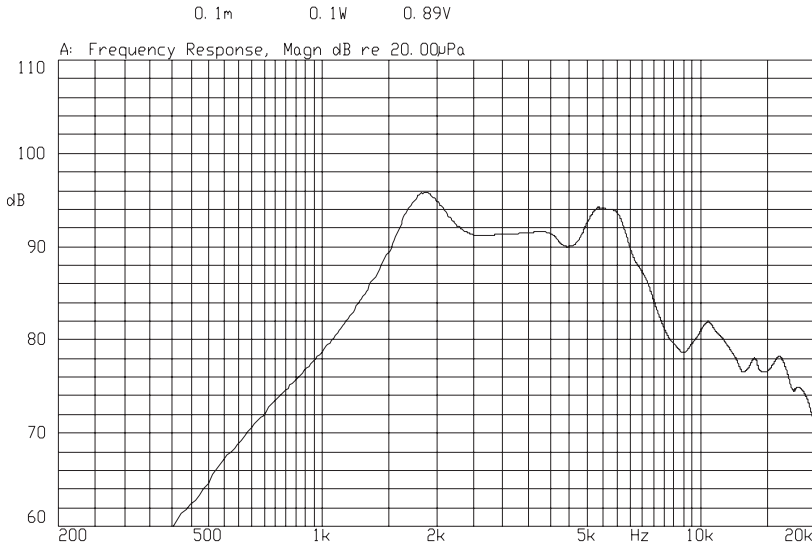
Dimensions : Millimetres  
Tolerance :  $\pm 0.3$ mm

No.	Part Name	Material	Qty.
1.	Frame	ABS+SPCC	1
2.	Diaphragm	PET	
3.	Voice Coil	Copper	
4.	Plate	SPCC	
5.	Magnet	NdFeB	
6.	PCB	FR4	
7.	Labels	PET	
8.	Pin	Phosphor Bronze	2
9.	Housing	ABS	1

Newark.com/multicomp-pro  
Farnell.com/multicomp-pro  
sg.element14.com/b/multicomp-pro

multicomp **PRO**

## Frequency Response Curve



## Part Number Table

Description	Part Number
Miniature Speaker, 8Ω, Ø23mm, Encased speaker with PCB pins	MCABS-201-RC

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.