Miniature Speaker

multicomp PRO

Applications

- Computer and peripherals
- Telecommunication units

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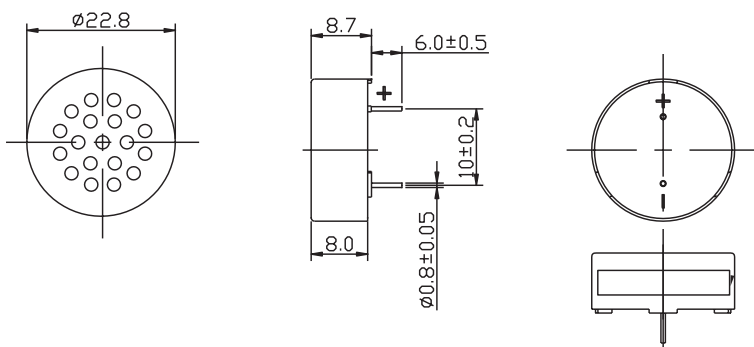
- Low profile
- Cone material: Mylar
- PCB mountable
- Wave solderable

All data at 25ºC unless otherwise specified

Specifications

Rated Input Power	: 0.08W
Max. Input Power	: 1.5W
Rated Impedance	: 8Ω ±15% / 2kHz / 1V
Resonance Frequency (f0)	: 1500Hz ±20% Hz / 1V
Sound Pressure Level	: ≥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 (f0 ~ 4kHz)
Voice Coil Diameter	: Ø7.2mm
Magnet (NdFeB)	: Ø6.5mm×1.5mm
Dimension	: Ø22.5mm×8.5mm
Operating and Storage Temp.	: -20°C to +60°C
Weight	: 5g

Diagram

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

Dimensions : Millimetres
Tolerance : ±0.3mm

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Page <1>   11/08/23   V1.1

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Frequency Response Curve

0. 1m   0. 1W   0. 89V

A: Frequency Response, Magn dB re 20.00µPa
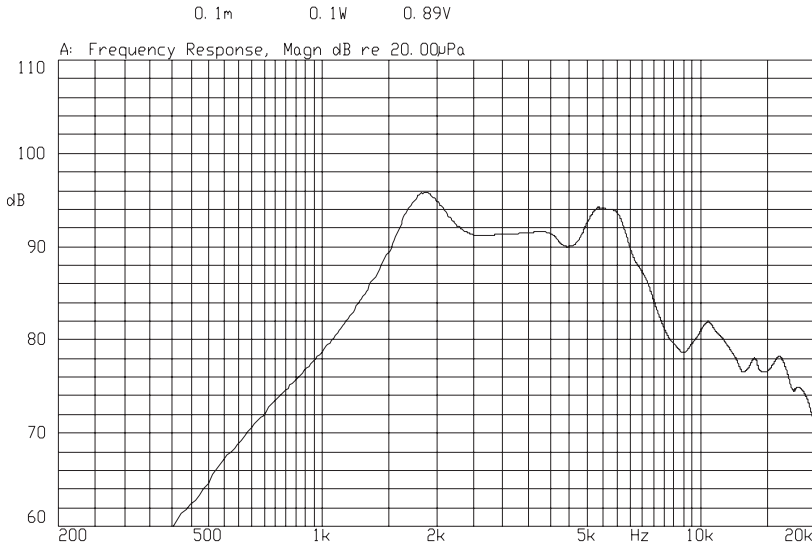
Part Number Table

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

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Page <2>   11/08/23   V1.1