

RoHS
Compliant



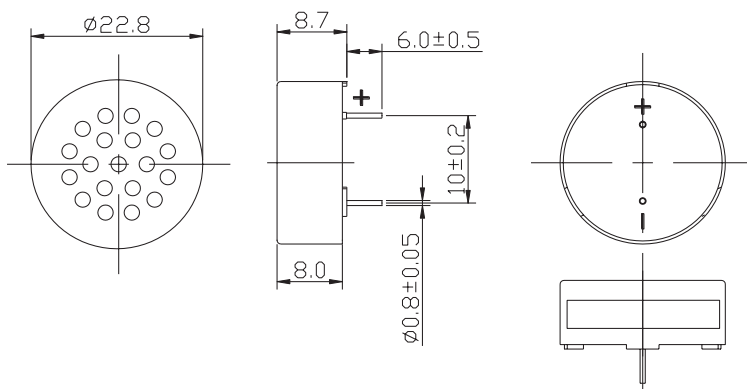
Features

- PCB mountable speaker
 - Enclosed in pre-moulded case
- All data at 25°C unless otherwise specified

Specifications

Rated Input Power	: 0.1W
Max. Input Power	: 0.2W
Rated Impedance	: 32Ω ±20% / 3kHz / 1V
Resonance Frequency (f ₀)	: 1800Hz ±20% Hz / 1V
Sound Pressure Level	: ≥75dB ±3 at 1kHz 0.1W / 0.1m baffleboard
Frequency Range	: F0Hz ~ 4kHz
Total Harmonic Distortion	: 10% Max. at 1kHz, 1W
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 1.789V sine wave between (f ₀ ~ 4kHz)
Dimension	: Ø22.8mm×8mm
Operating Temperature	: -20°C to +60°C
Storage Temperature	: -40°C to +60°C
Weight	: 3g ±5%

Diagram

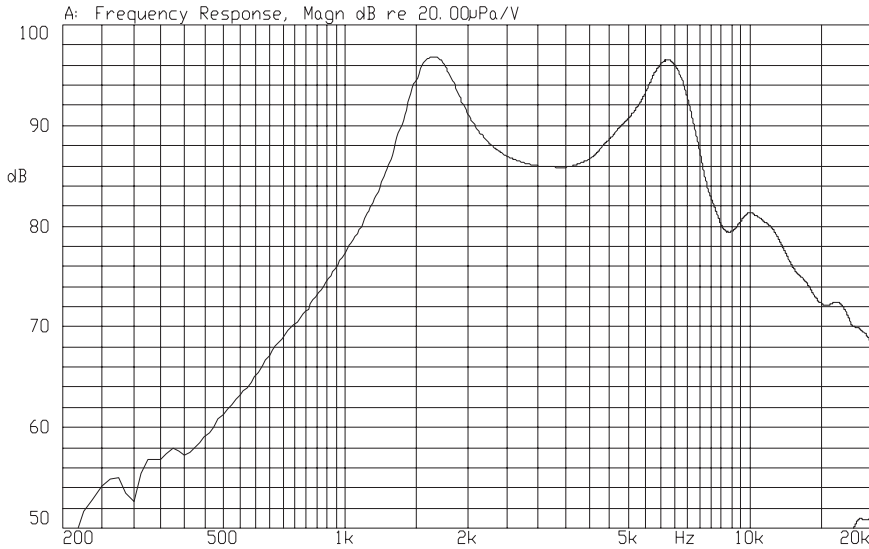


No.	Part Name	Material	Qty.
1.	Frame	ABS+SPCC	1
2.	Diaphragm	PET	
3.	Voice Coil	Copper	
4.	Plate	SPCC	
5.	Magnet	NdFeB	
6.	PCB	FR4	
7.	Labels	PET	
8.	Pin	Phosphor Bronze	2
9.	Housing	ABS	1

Dimensions : Millimetres
Tolerance : ±0.3mm

Frequency Response Curve

X: 1.0186kHz Y: 78.12dB ZA: 1.0000 TSR fund.



Part Number Table

Description	Part Number
Miniature Speaker, 32Ω, Ø23mm, Encased speaker with PCB pins	MCABS-227-RC

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