Miniature Speaker

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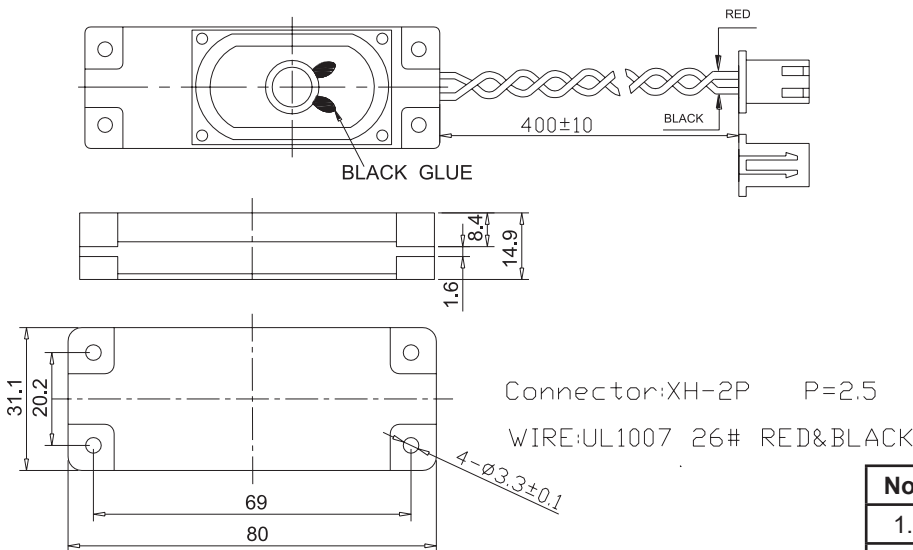
RoHS Compliant

Specifications

Rated Input Power	: 2W
Max. Input Power	: 4W
Rated Impedance	: 8Ω ±15% / 1kHz / 1V
Resonance Frequency (f0)	: 550Hz ±20% / 1V
Sound Pressure Level	: 100dB ±3dB at (AVG 1.0, 1.2, 1.5, 2.0) kHz 0.1m/2.0W
Frequency Range	: F0 ~ 8kHz
Total Harmonic Distortion	: 5% Max. at 1kHz, 1V
Flux Density	: 1T
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 4.0V sine wave between (20Hz ~ 2.2kHz)
Voice Coil Diameter	: Ø13.28mm
Magnet (NdFeB)	: Ø12.5mm×2.5mm
Dimension	: 80mm×31.1mm×14.9mm
Weight	: 55g ±5g

Diagram

RED

400±10

BLACK

BLACK GLUE

8.4
14.9
1.6

31.1
20.2

69
80

4-Ø3.3±0.1

Connector:XH-2P   P=2.5

WIRE:UL1007 26# RED&BLACK

No.	Part Name	Material	Qty.
1.	Frame	ABS	1
2.	Cloth conel	Cloth	
3.	Yoke	1.5T	
4.	Dust cap	Paper	
5.	Voice coil	CU	
6.	Magnet	NdFeB	
7.	Plate	2.0t	
8.	PCB	Epoxy	
9.	Shrapne	Silk cloth	
10.	Wire	(UL1007 26#)	

Dimensions : Millimetres
Tolerance: ±0.5mm

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Page <1>   14/08/23   V1.1

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Frequency Response Curve
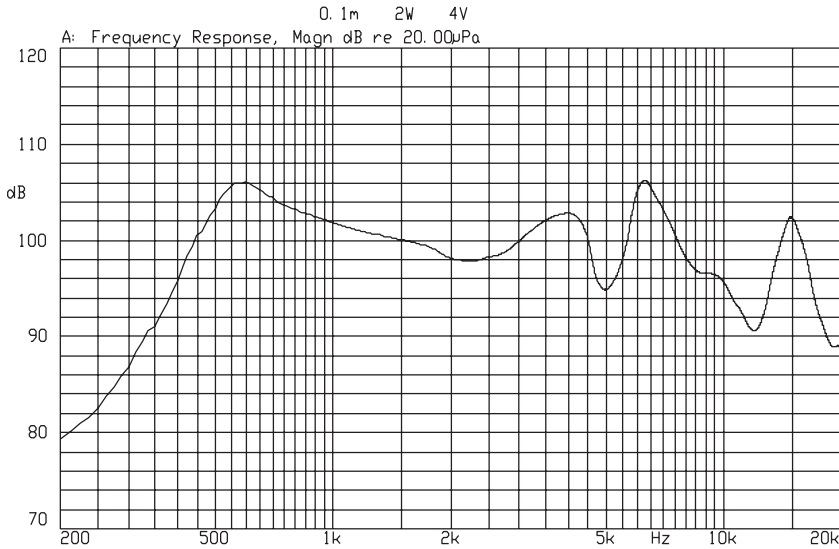
Part Number Table

Description	Part Number
Speaker, 2W, 8Ω, 80mm × 30mm	MCABS-236-RC

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Page <2>   14/08/23   V1.1