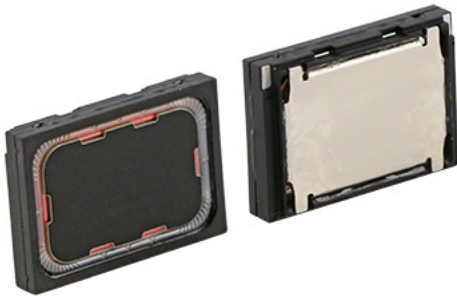


RoHS  
Compliant

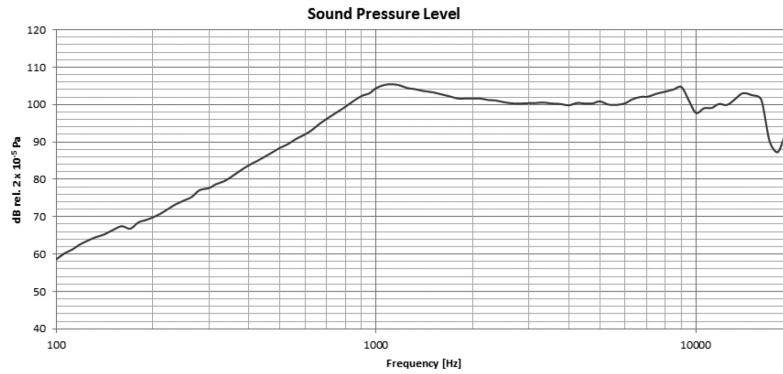


## Electrical and Acoustical Specification

Item	Specifications
Dimension	20 × 14 × 3.7
Rated Input Power	2W (1cc box)
Max Input Power	2.2W (1cc box)
Rated Impedance	4 ±20% Ω /2.0KHz/2.83Vrms
Resonance Frequency(f0)	1050 ±20% Hz while testing in 1cc box at 2.83Vrms/10cm
Sound Pressure Level	104 ±3 dB SPL /2.83Vrms/10cm (at 1.0,1.18,1.5, in 1cc box)
Frequency Range	f0HZ ~20KHz
Total Harmonic Distortion	10% MAX. at 2KHz, 2.83Vrms/10cm
Flux Density	0.4T
Polarity	When a positive DC Current is applied to the voice coil terminal marked +or red, the diaphragm shall move forward
Operation Test	Must be normal at sine wave and program source 1W.
Buzz,Rattle,etc.	Must be free audible noise (buzzes and rattles) (200Hz to 2KHz frequency range, input level up to 2.83Vrms, while testing in 1cc box.)
Weight	3g
Appearance	Should not exist any obstacle to be harmful to normal operation; damages, cracks, rusts and distortions, etc.
Storage Temperature	-40°C to +85°C
Operation Temperature	-20°C to +70°C

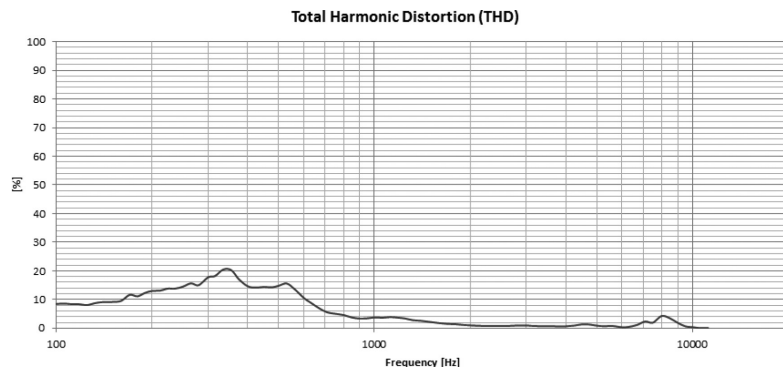
## Frequency Response Curve

Test conditions: 2.83Vrms/10cm in 1cc BOX



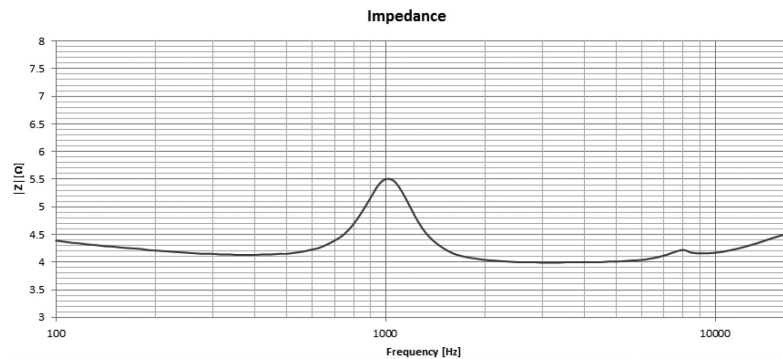
## Speaker Distortion Curve

Test conditions: 2.83Vrms/10cm in 1cc BOX

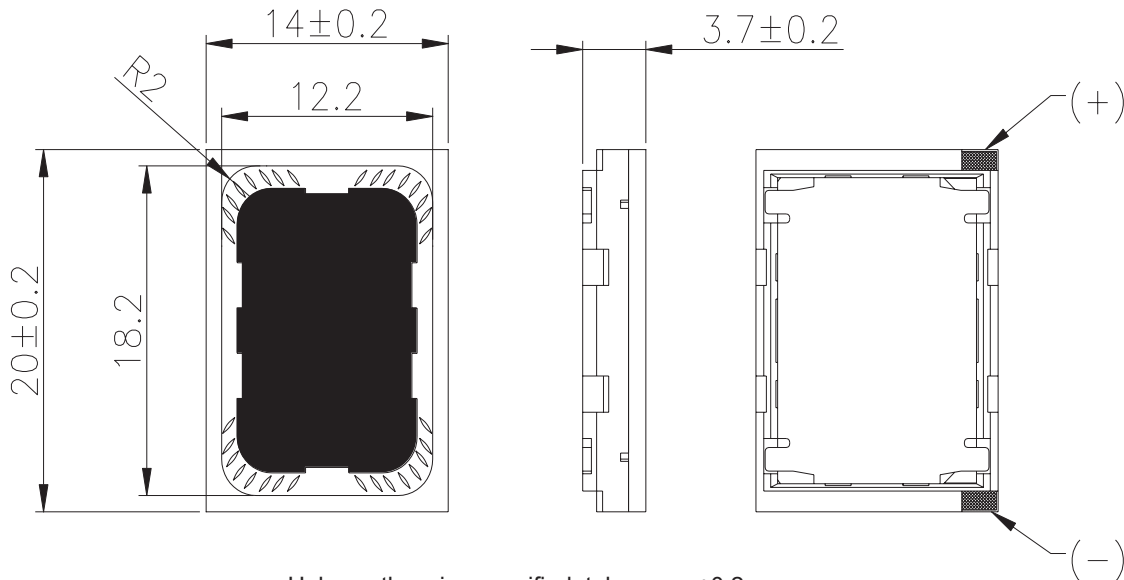


## Impedance Response Curve

Test conditions: 2.83Vrms/10cm in 1cc BOX



## Diagram



Unless otherwise specified, tolerance: ±0.2

Part Name	Material	Q'TY
Frame +Spring terminal	PBT+SUS	1
Yoke	SPCC	
Diaphragm	PEEK	
Voice coil	Copper Wire	
Plate	SPCC	
Magnet	NdFeB	
Front Cover	PPA	

## Part Number Table

Description	Part Number
Speaker, 4Ω, 2W, 20mm × 14mm × 3.7mm	MCABS-271-RC

Dimensions : Millimetres

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