

Miniature Speaker

multicomp PRO

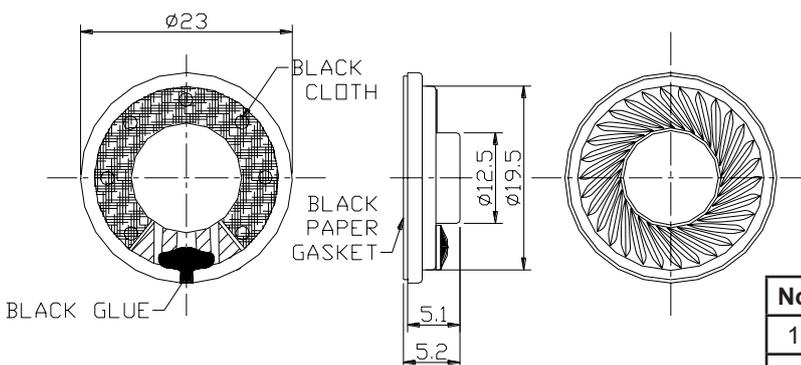
**RoHS
Compliant**



Specifications

Rated Input Power	: 0.5W
Max. Input Power	: 1W
Rated Impedance	: $32\Omega \pm 15\%$ / 2kHz / 1V
Resonance Frequency (f ₀)	: 800Hz $\pm 20\%$ / 1V
Sound Pressure Level	: 87dB ± 3 dB (at (AVG 0.8, 1.0, 1.2, 1.5) kHz 0.1W/0.1m baffleboard
Frequency Range	: f ₀ Hz ~ 10kHz
Total Harmonic Distortion	: 5% Max. at 1kHz, 0.5W
Flux Density	: 0.6T
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 (F ₀ Hz ~ 10kHz)
Voice Coil Diameter	: $\varnothing 10.4$ mm
Magnet (NdFeB)	: $\varnothing 9.5$ mm \times 1.5mm
Dimension	: $\varnothing 23$ mm \times 5.2mm
Weight	: 4g

Diagram



No.	Part Name	Material	Qty.
1.	Frame	SPCC	1
2.	Diaphragm	Black PET	
3.	Voice Coil	Self-bonding wire	
4.	Plate	SPCC	
5.	Magnet	NdFeB	
6.	PCB	FR4	
7.	Front Gasket	Black Paper Gasket	

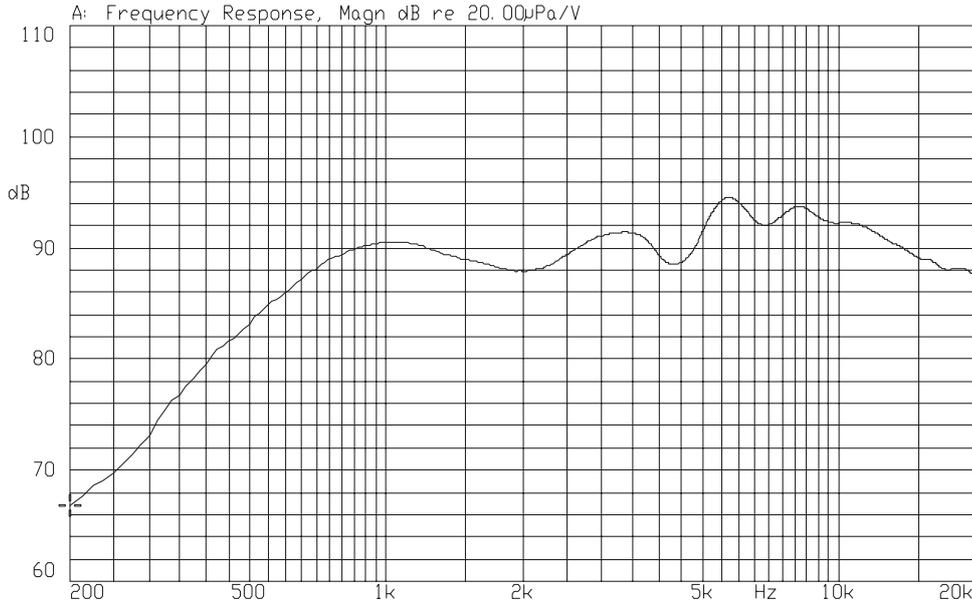
Dimensions : Millimetres
Tolerance: ± 0.3 mm

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

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Frequency Response Curve

0.1M 1.79V
 X: 200.00Hz Y: 66.85dB ZA: Live Curve TSR fund.



Part Number Table

Description	Part Number
Miniature Speaker, 32Ω, Mylar, 23mm Dia.	MCABS-231-RC

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