Miniature Speaker

multicompPRO

Features

- Low profile
- Paper cone speaker

Specifications

|	
Rated Input Power	: 1W
Rated Power (Maximum)	: 1.5W
Rated Impedance	: 8Ω ±15% / 2kHz / 1V
Resonant Frequency	: 350Hz ±20% / 1V
Rated Frequency Range	: fo to 11,000Hz
Sound output level at 1W/1m	: 92dB ±3 at (AVG 0.6,0.8,1.0,1.2) kHz 0.1W/0.1m
Frequency Range	: F0Hz ~ 20kHz
Total Harmonic Distortion	: 5% Max. at 1kHz, 1W
Flux Density	: 0.6T
Polarity	: When a positive DC Current is applied to the voice coil terminal marked +or red ,the diaphram shall move forward
Buzz, Rattle, etc.	: Should not be audible at 2.83V sine wave between (F0Hz ~ 20kHz)
Operating Temperature Range	: -20°C to +60°C
Storage Temperature Range	: -30°C to +60°C
Weight	: 14.2g
Magnet Material	: Nd-Fe-B
Voice Coil Diameter	: Ø13.28mm
Magnet Size	: Ø12.5mm × 1.5mm
Dimension	: Ø50mm×7.6mm

Diagram

BLACK CLOTH
Ø50±0.2
7.6±0.5
2.4±0.3
BLACK PAPER GASKET
Ø16.7±0.3
BLACK GLUE
180±5
WIRE:UL1007 AWG24
MOLEX:6471-02
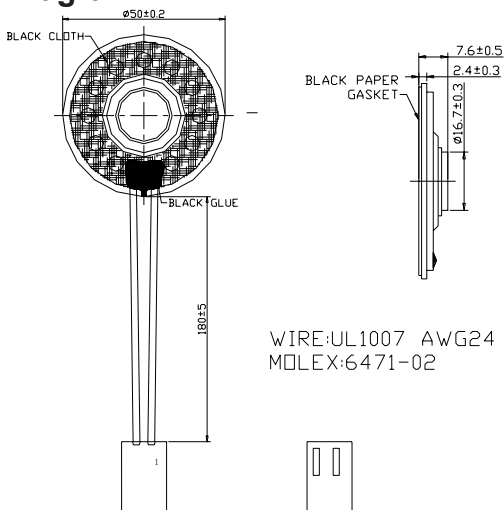
Dimensions : Millimetres
Tolerance: ±0.3mm

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

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Frequency Response Curve


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                    0.1m    0.1W    0.89V
         A: Frequency Response, Magn dB re 20.00µPa
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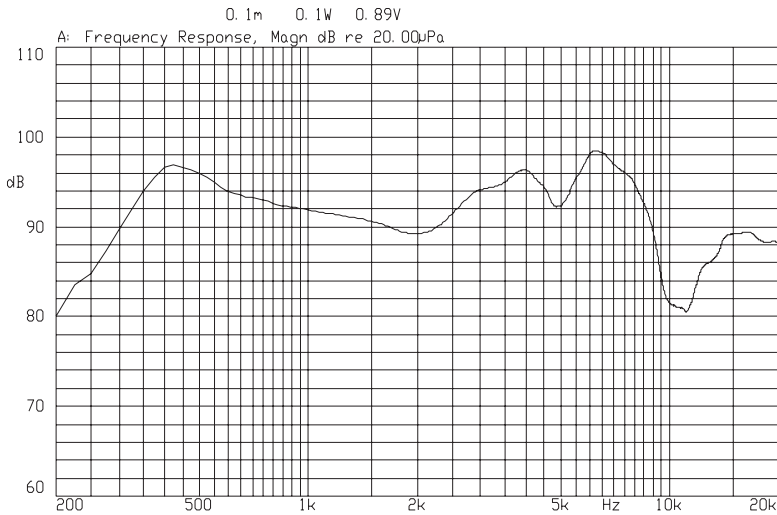
Part Number Table

Description	Part Number
Miniature Speaker, 50mm, 8Ω, 1W, with 135mm leads and connector	ABS-210-135-RC

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