

# Dynamic Micro Speaker

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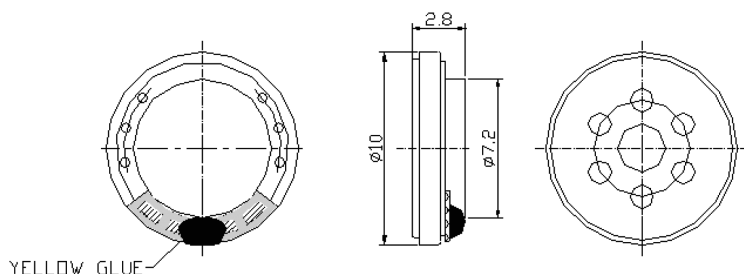
## Features

- 10mm round frame micro dynamic speaker
- Low profile – depth 2.8mm
- Stainless steel frame and mylar cone
- This compact speaker is suitable for applications where space is a premium, particularly mobile devices

## Specifications

Rated Impedance	: $8 \pm 15\% \Omega / 2\text{kHz} / 1\text{V}$
Rated Power	: 0.15W
Max. Power	: 0.3W
Resonant Frequency	: $1200 \pm 20\% \text{Hz} / 1\text{V}$
Sound pressure level at (AVG)1kHz 0.1W/0.1m baffle board (IEC)	: $82 \pm 3\text{dB}$
Frequency Range	: f0Hz ~ 6kHz
Total Harmonic Distortion	: 5% Max at 1kHz/0.15W
Flux Density	: 0.6T
Operating Temperature	: $-20^\circ\text{C} \sim +60^\circ\text{C}$
Storage Temperature	: $-20^\circ\text{C} \sim +60^\circ\text{C}$
Weight	: 0.8g
Voice Coil Diameter	: 5.9mm
Magnet size (NdFeB)	: $5.5 \times 0.8\text{mm}$

## Diagram



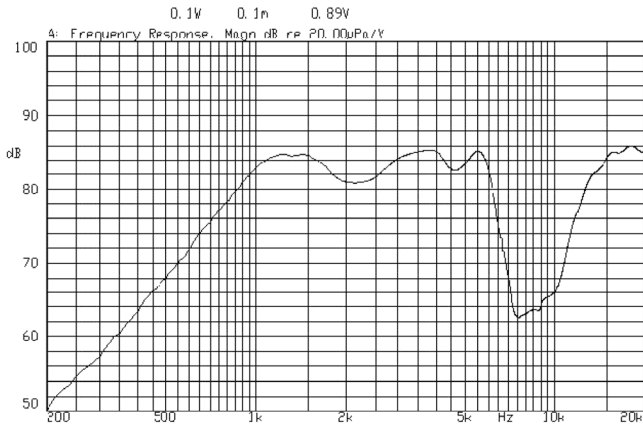
Dimensions: Millimetres  
Tolerance:  $\pm 0.3\text{mm}$

Part Name	Material	Qty.
Frame	SPCC	1
Diaphragm	PET	1
Voice coil	Self bonding wire	1
Plate	SPCC	1
Magnet	NdFeB	1
PCB	FR4	1
Front cover	SUS	2

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## Frequency Response Curve



## Part Number Table

Description	Part Number
Speaker, Micro, Dynamic, 8Ω, 0.3W	ABS-244-RC

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