

SPECIFICATION

Micro Dynamic Speaker

RoHS Compliance & Halogen Free

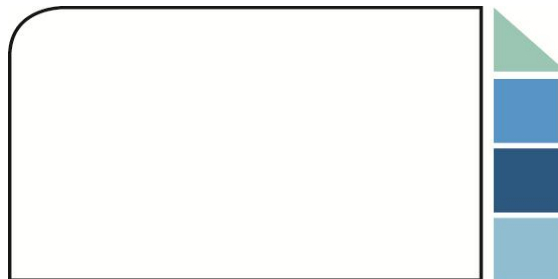
Product : 14*7*3.0mm Speaker

GETTOP P/N : SR140730PAXX

Customer P/N :

Version : P/0

Designed by	Checked by	Confirmed by	Approved by	Released date
Lixia.Ji	Hui.Cheng	Echo	Ethan	2025.08.12



CUSTOMER APPROVAL

ISO/TS 16949 : 2009

ISO 9001 : 2008

ISO 14001: 2004+Cor1 : 2009

BS OHSAS 18001 : 2007

QC080000 :2005



Revision History

Date	Version	Description	Controller
2025-08-12	P/0	New released	Lixia.Ji

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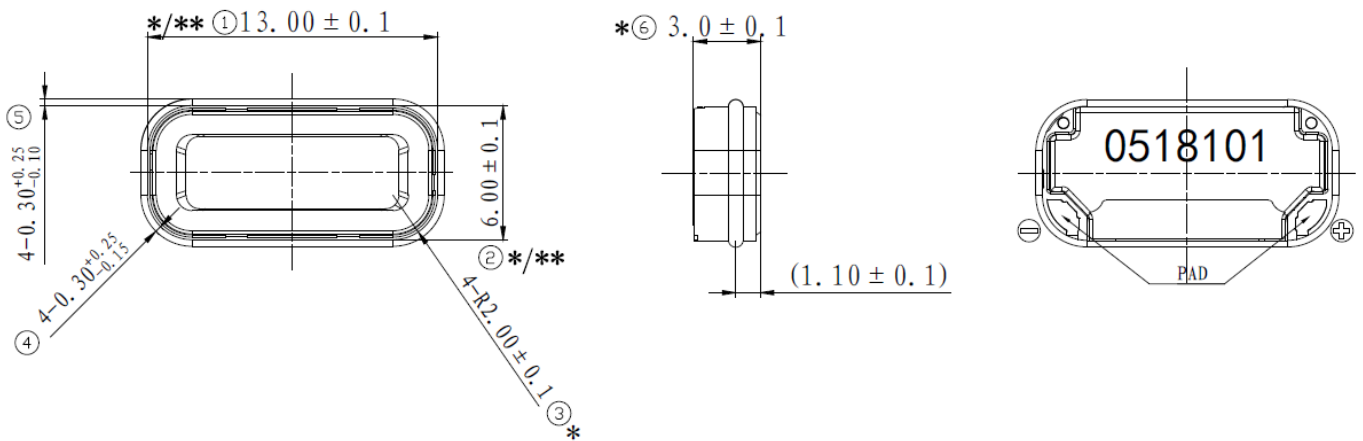
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1. Scope

1. This document is the technical specification of a Micro Dynamic Speaker.
2. The components comply with environmental regulations such as ROHS and REACH.
3. The control of hazardous substances adheres to the GETTOP's latest version of Environmental Management Substance Standards.

2. Mechanical Specifications

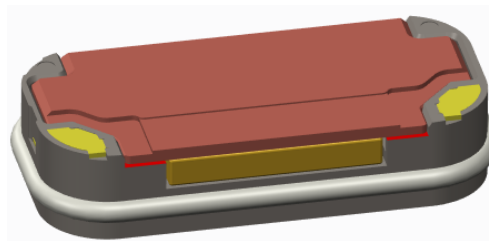
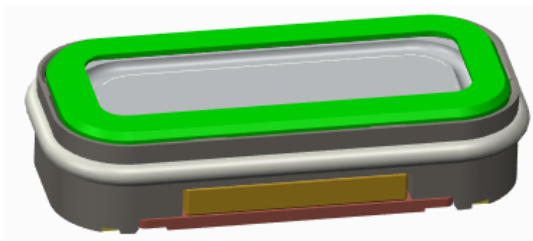
2.1 Structural dimensions



Remark:

- 1、“*”Critical Dimension
- 2、“**”CPK Dimension, CPK $\geq$ 1.0
- 3、Unit: mm
- 4、Dimensions with () are reference dimension

2.2 Appearance drawing



3. Electro-Acoustic Specifications

3.1 Typical parameter requirements

No.	Parameter	Code name	Technical Specifications	Conditions
1	Rdc	Rdc	$(6.5 \pm 0.7) \Omega$	ohm
2	Rated Impedance	IMP	$(8 \pm 15\%) \Omega$	@2kHz, 2Vrms
3	Resonance Frequency in 3cc back cavity	F0	$(950 \pm 20\%) \text{ Hz}$	@25°C, 2Vrms, 3cc back cavity
4	Sound Pressure Level	SPL	$(85 \pm 3) \text{ dB}$	@2KHz, 2Vrms, 10cm in 3cc back cavity, with baffle
5	Power	P	0.5W	/
6	Maximum Short Term Power	Pmax	0.7W	1s on, 59s off, 60 cycles
7	Listening condition	/	No noise	2Vrms, 300-3.4kHz, Sine Wave, 1-2sec, 2 circles in 3cc back cavity, 10-15cm

Test Condition: 25°C, 25%~75% RH, 86~106Kpa, unless specified differently.

3.2 Frequency Response

Test conditions: sine wave 100~20kHz、1/12 Oct、2Vrms、in 3cc back cavity、10cm with baffle

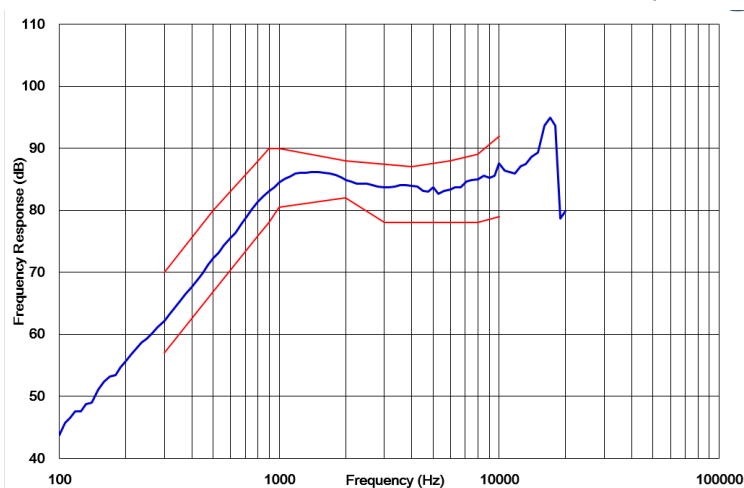


Fig.1 Typical Frequency Response

Freq. /Hz	300	500	800	900	1000	2000	4000	6000	8000	10000
upper/dB	70	80	88	90	90	88	87	88	89	92
Freq. /Hz	300	500	800	900	1000	2000	3000	4000	8000	10000
lower/dB	57	67	76	78	80.5	82	78	78	78	79

3.3 THD

Test conditions: sine wave 100~20kHz、1/12 Oct、2Vrms、in 3cc back cavity 、10cm with baffle
2-5 harmonic distortion

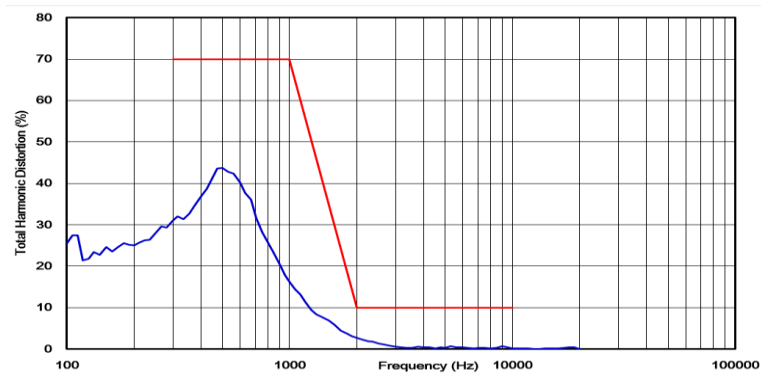


Fig.2 THD

Freq./Hz	300	1000	2000	10000
Limit%	70	70	10	10

3.4 Rub&Buzz

Test conditions: sine wave 100~20kHz、1/12 Oct、2Vrms、in 3cc back cavity 、10cm with baffle
10-35 harmonic distortion

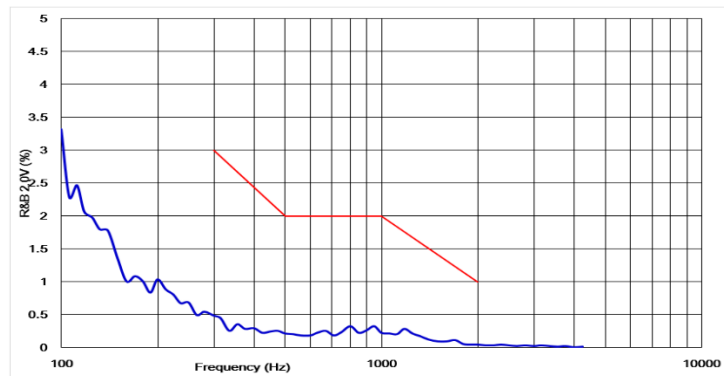


Fig.3 Rub& Buzz

Freq./Hz	300	500	1000	2000
R&B/(V)(%)	3	2	2	1