

SPECIFICATION

Micro Dynamic Speaker

RoHS Compliance & Halogen Free

Product : 17*12*2.45 SPK
GETTOP P/N : SR171224PDxx(xx is Serial Number)
Version : P0

Designed by	Checked by	Confirmed by	Approved by	Released date
Zhangjianfeng	Shenzhenyu	Biwenda Gaochao	Ethan	2025-5-13



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
2025-05-13	P/0	Initial Release	Zhangjianfeng

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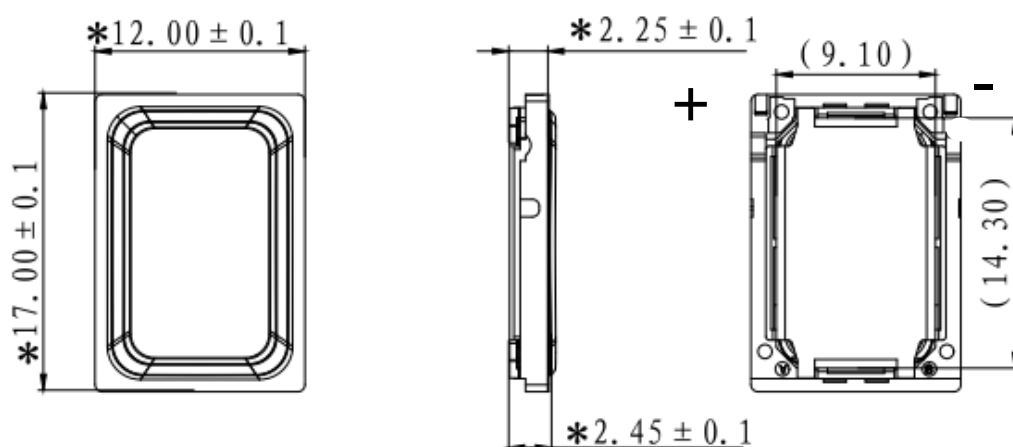
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1. Scope

This specification is the basic technical specification for SR171224PDxx products of Gettop Acoustic Co., Ltd, the device meets ROHS、REACH and other environmental requirements, the Control of hazardous substances meets the requirements of Gettop's latest of "Environmental Management Material Standard".

2. Mechanical Specifications

2.1 2D

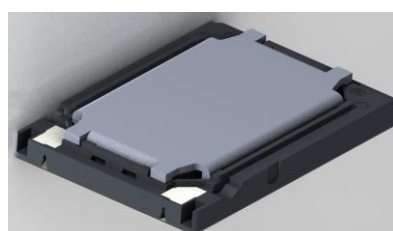
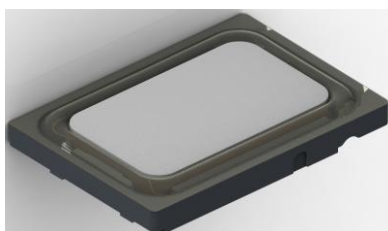


Dimension

Note:

- 1、“*” is key dimension; Unit: mm
- 2、Tolerance general unless otherwise ± 0.2 mm

2.2 External view



3. Electro-Acoustic Specifications

3.1 Typical Parameter

No.	Parameter	Technical Specifications	Unit	Conditions
1	Rated DC Resistance	6.6±0.7	Ω	
2	Rated AC Resistance	8±15%	Ω	@2kHz, At rate power
3	Sound Pressure Level 1	94±3	dB	@ 2kHz/2.83V/10cm SC baffle in 0.7cc back case
4	Sound Pressure Level 2	84±3	dB	@ 500Hz/2.83V/10cm SC baffle in 0.7cc back case
5	Maximum Continuous noise Power	1	W	in 0.7cc box
6	Maximum Short Term Power	1.5	W	in 0.7cc box
7	F0	900±10%	Hz	At rate power 25℃, in 0.7cc

3.2 Typical Frequency Response

Test condition: sine wave, 100~20KHz, 1/12 OCT, 2.83V;0.7cc back case, baffle

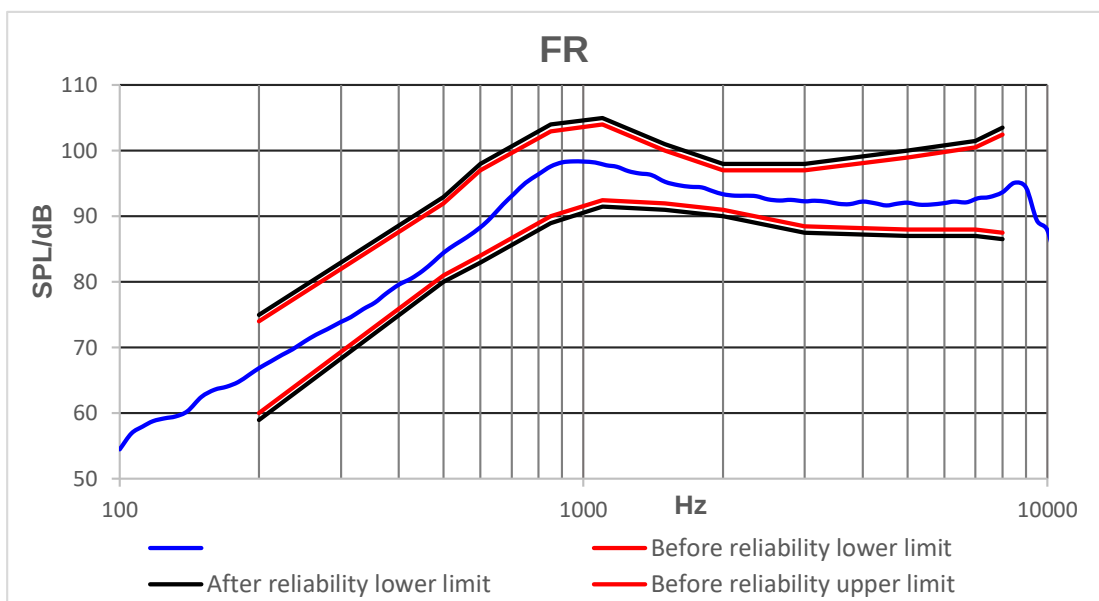


Fig Typical Frequency Response

	Before reliability - lower limit	After reliability - lower limit	Before reliability upper-limit	After reliability - upper-limit
200	60	59	74	75
500	81	80	92	93
600	84	83	97	98
850	90	89	103	104
1100	92.5	91.5	104	105
1500	92	91	100	101
2000	91	90	97	98
3000	88.5	87.5	97	98
5000	88	87	99	100
7000	88	87	100.5	101.5
8000	87.5	86.5	102.5	103.5

3.3 THD

Test condition: sine wave, 100~20KHz, 1/12 OCT, 2.83V;0.7cc back case,
baffle,2-5 THD

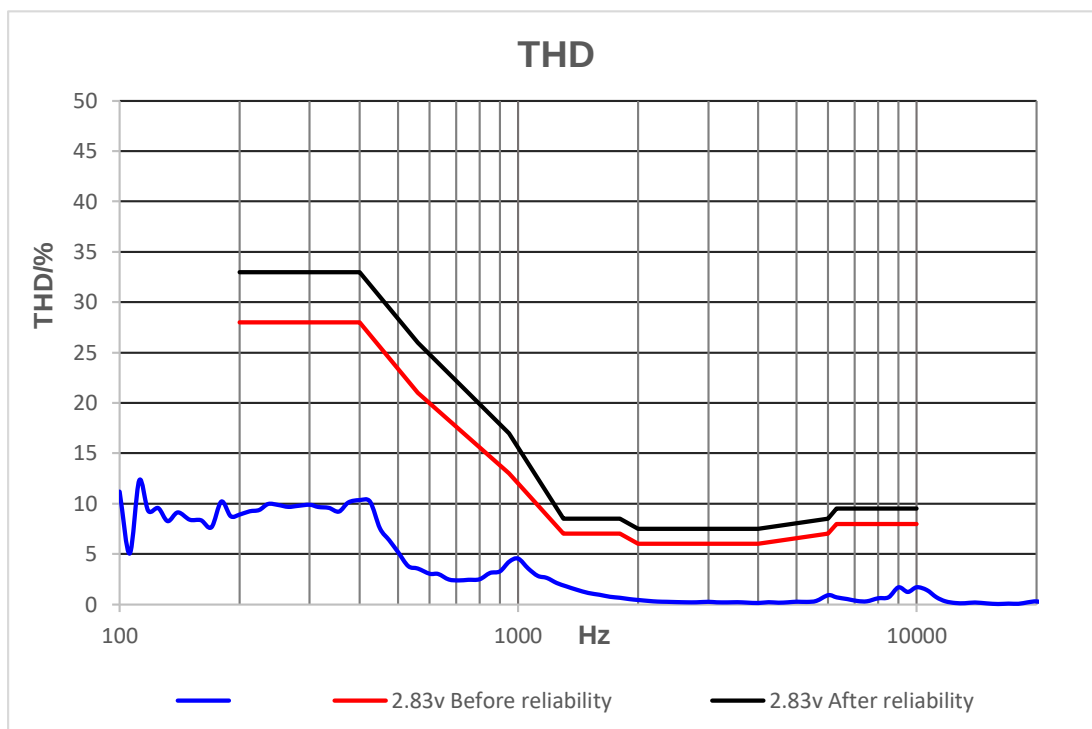


Fig THD curve

	2.83v Before reliability limit	2.83v After reliability limit
200	28	33
400	28	33
560	21	26
950	13	17
1300	7	8.5
1800	7	8.5
2000	6	7.5
3800	6	7.5
4000	6	7.5

6000	7	8.5
6300	8	9.5
10000	8	9.5

3.4 HOHD

Test condition: sine wave, 100~20KHz, 1/12 OCT, 2.83V;0.7cc back case,
baffle,10-35 THD

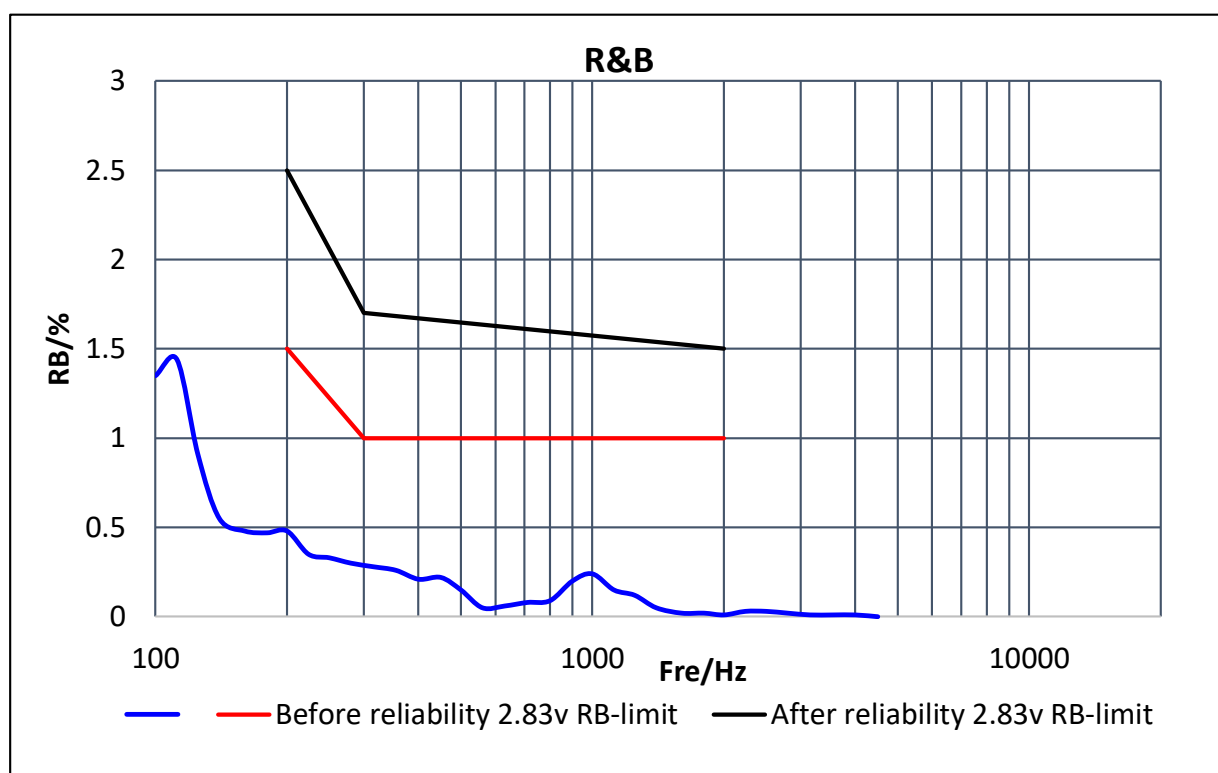


Fig HOHD curve

	Before reliability limit	After reliability limit
200	1.5	2.5
300	1	1.7
2000	1	1.5