



# DongGuan AS AUDIO Co. Ltd.

## 东莞市爱笙电子科技有限公司

Add: Flat/Rm A 3/F, Kiu Kong Mansion, 524 Nathan Road, Yau Ma Tei, Hong Kong



### ODM/OEM factory of audio products:

- Bluetooth speaker, Wireless Systems (Wi-Fi)
- Digital amplifiers, Subwoofer PCBAs
- Speakers (onwall/inwall, indoor/outdoor, in-ceiling, car, marine...)

#### Test Equipments

- Anechoic Rooms
- Acoustic Testing Center
- EMC, EMI safety testing laboratories partners
- KLIPPEL Analyzer3, Soundcheck, LMS, Clio
- (AP) Audio Precision 515



Compliant with international standards RoHS, REACH, Conflict Mineral, etc...

- IECQ QC 080000: 2017
- ISO/TS16949: 2016
- ISO14001: 2015
- ISO 9001: 2015







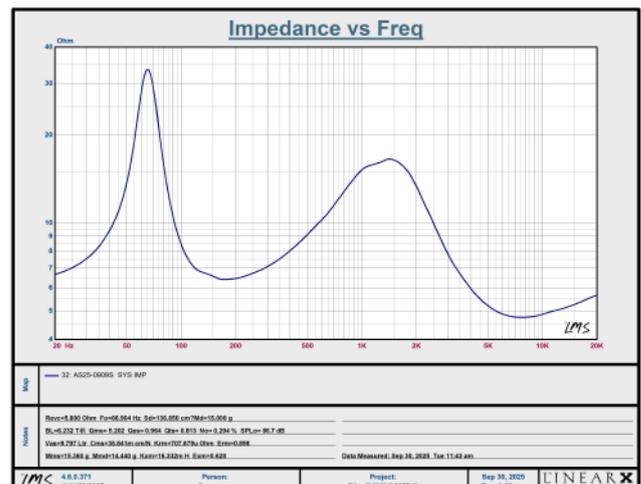
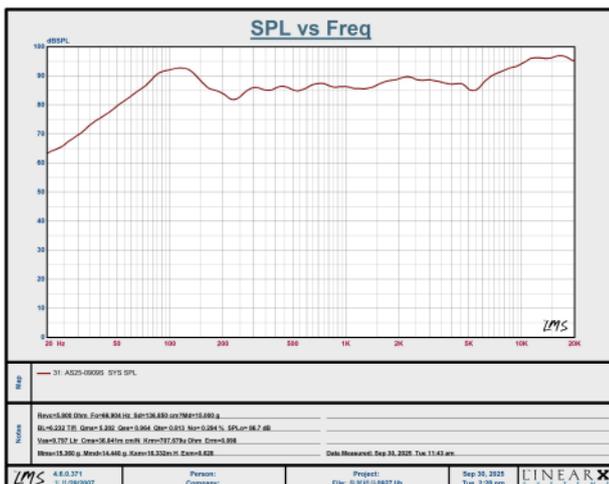
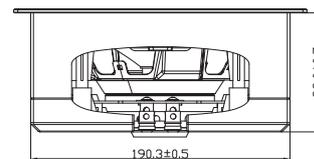
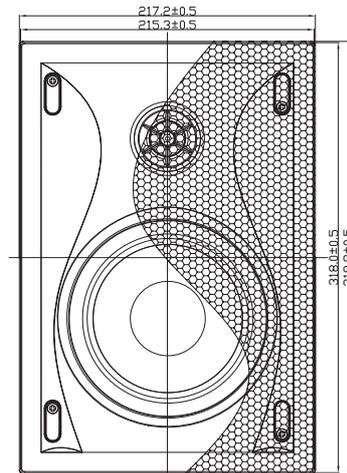
## AS In-wall speaker AS25-0909S

Quick-mount dog-leg design  
Pivoting coaxial tweeter  
Effective sensitivity & efficiency



The woofer adopts a long stroke low distortion design, effectively reducing distortion, providing stable support and high-quality recovery performance, its vibration system has excellent stiffness and dynamic stability. The tweeter adopts a coaxial rotation design without blind spots, and its magnetic circuit is simulated by computer. It adopts a high-performance temperature resistant neodymium design, effectively improving sensitivity and efficiency. The high-frequency dome adopts a new aluminum processing technology, with extremely low distortion.

Item	Parameters
· Motor:	Woofer: Ferrite Tweeter: Neodymium
· Voice coil dimension:	Woofer: 25mm Tweeter: 25mm
· Diaphragm:	Woofer: Fiber composited cone Tweeter: Alu anode+silk
· Frame:	Pastic
· Nominal Impedance:	6 Ω
· Sensitivity (1W/1M):	87±3dB
· Frequency Response:	40 -20K Hz
· Resonance frequency:	65 Hz
· Rated Power:	30 Watts
· Peak Power:	60 Watts
· Revc:	Woofer: 5.7Ω Tweeter: 3.6Ω
· Vas:	Woofer: 9.8 Ltr
· Qms:	Woofer: 5.2
· Qes:	Woofer: 0.96
· Qts:	Woofer: 0.81
· Sd:	Woofer: 137cm <sup>2</sup>
· Weight:	2.20 Kg



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## AS tweeter unit AS25-0904

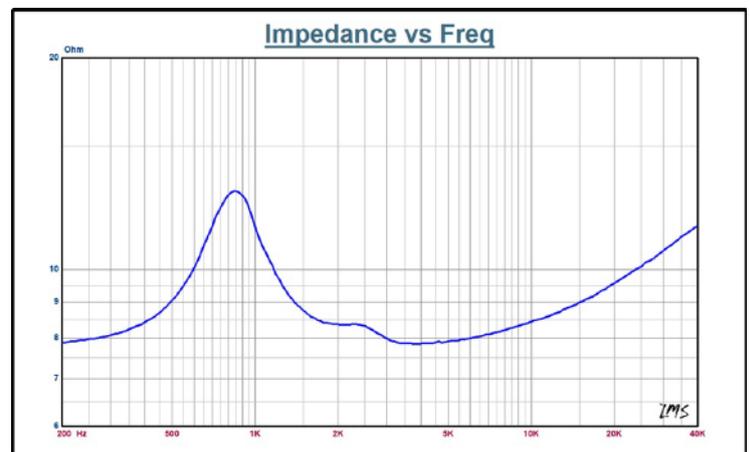
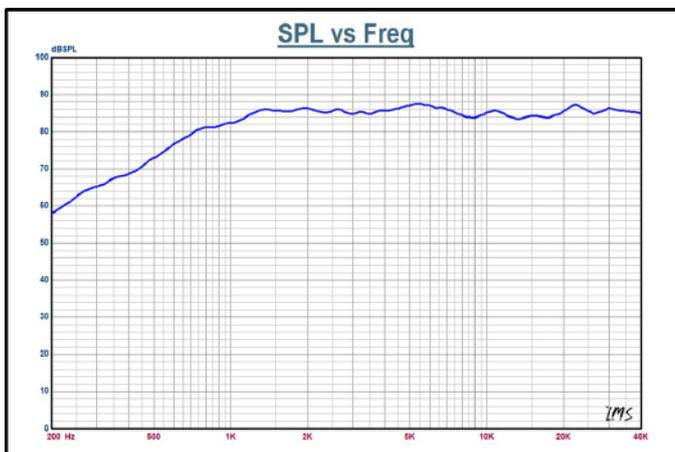
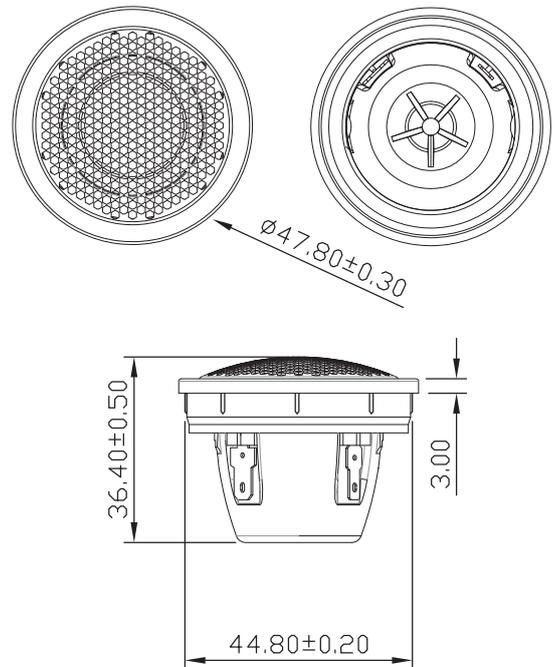
0.75" tweeter with NdFeB  
Rear cavity structure  
Effective efficiency



Adopts a large R silk dome, combined with a sound-absorbing rear cavity structure, the  $F_0$  could be much lower, makes a woofer unit easier to be continuously lined up with.

The high-frequency efficiency can be smoothly extended to above 40KHz, and the sound resolution is stronger, making the sound clearer and more pleasant.

Item	Parameters
· Motor:	NdFeB
· Voice coil dimension:	20mm
· Diaphragm:	Silk
· Frame:	ABS
· Nominal Impedance:	8 $\Omega$
· Sensitivity (1W/1M):	86 $\pm$ 3dB
· Frequency Response:	850 Hz -40K Hz
· Resonance frequency:	850 Hz
· Rated Power:	10 Watts
· Peak Power:	15 Watts
· Revc:	6.8 $\Omega$
· Vas:	0.0056 Ltr
· Qms:	1.692
· Qes:	2.292
· Qts:	0.973
· Sd:	4.91cm <sup>2</sup>
· Weight:	49g





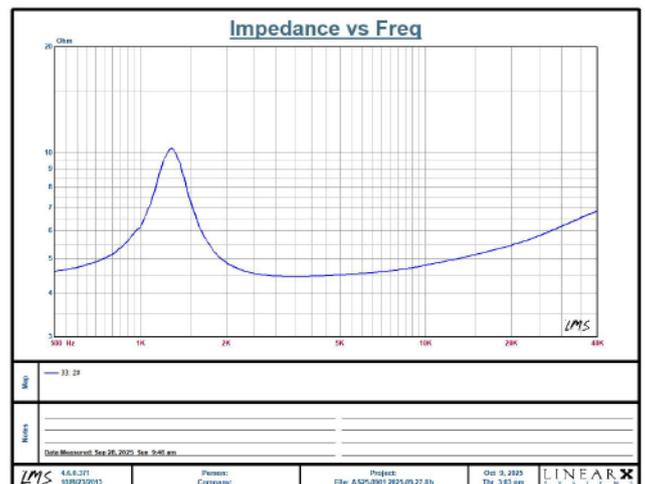
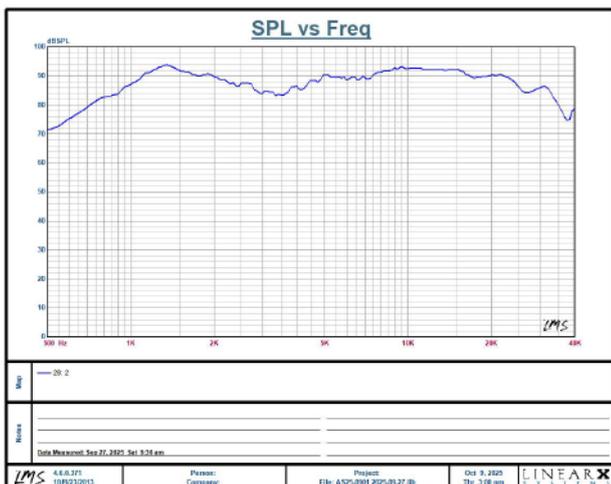
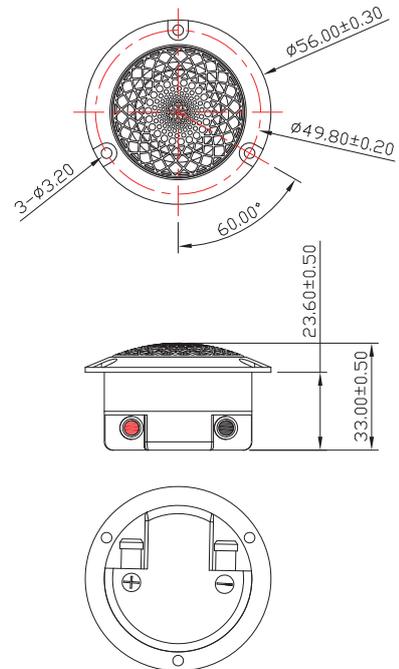
## AS tweeter unit AS25-0901

1" tweeter with NdFeB  
Aluminum housing  
Etched grille



This unit features a semi-transparent silk-dome tweeter, delivering refined, soft, and natural sound with a genuine and long-listening experience. The panel is precision CNC processed, showcasing a distinct metallic texture. The aluminum panel also enhances sound penetration, making the audio clearer and more captivating. The iron grille employs etched perforations, with meticulously designed apertures and open ratios that ensure the high-frequency extension while maintaining strong fashion appeal !

Item	Parameters
· Motor:	NdFeB
· Voice coil dimension:	25mm
· Diaphragm:	Silk
· Frame:	Aluminum CNC
· Nominal Impedance:	4 Ω
· Sensitivity (1W/1M):	88±3dB
· Frequency Response:	1.3K -30K Hz
· Resonance frequency:	1.3K Hz
· Rated Power:	15 Watts
· Peak Power:	20 Watts
· Rvc:	3.6 Ω
· Vas:	0.0041 Ltr
· Qms:	3.393
· Qes:	2.05
· Qts:	1.278
· Sd:	7.07cm <sup>2</sup>
· Weight:	85g



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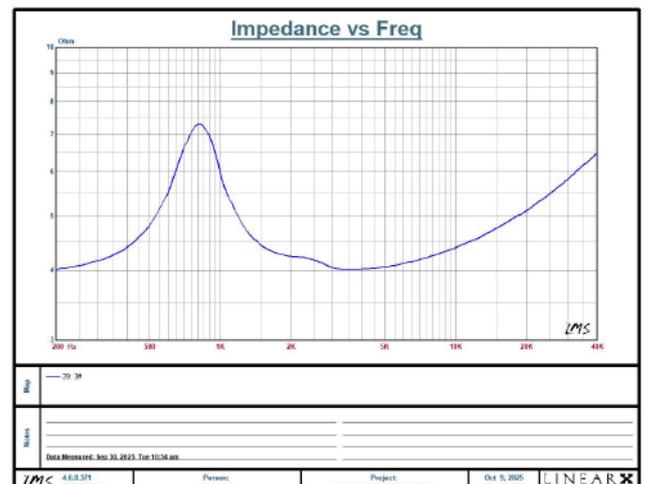
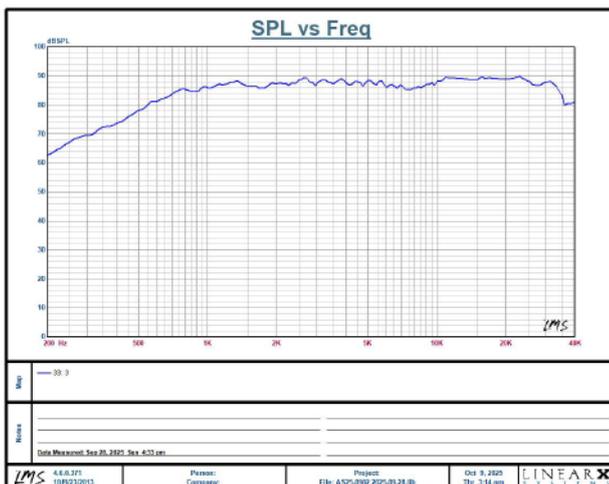
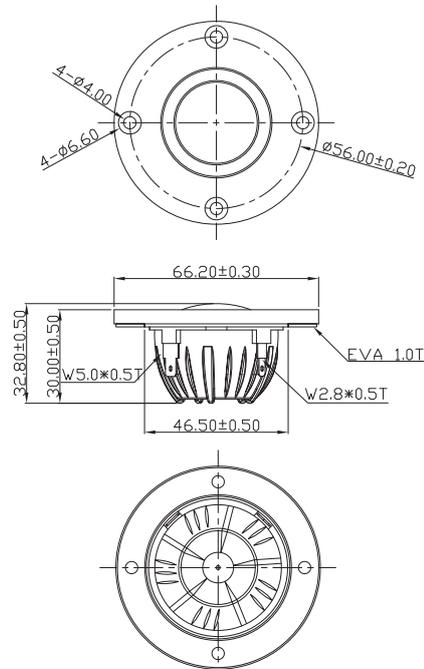
## AS tweeter unit AS25-0902

1" tweeter with NdFeB  
Aluminum faceplate  
Absorption rear cavity structure



This unit adopts a large arc ring silk sound dome, combined with a sound-absorbing rear cavity structure, making the  $F_0$  lower, easy to connect with a subwoofer, and the sound transition more natural. The overall bandwidth is wider, and the high-frequency efficiency can be extended flat to above 30KHz; the panel is made of CNC precision machined aluminum, with a clear metallic texture. The aluminum panel also extends the penetrating power of sound, making the sound clearer and more pleasant.

Item	Parameters
· Motor:	NdFeB
· Voice coil dimension:	25mm
· Diaphragm:	Silk
· Frame:	Aluminum CNC
· Nominal Impedance:	4 $\Omega$
· Sensitivity (1W/1M):	87 $\pm$ 3dB
· Frequency Response:	800 Hz -30K Hz
· Resonance frequency:	800 Hz
· Rated Power:	15 Watts
· Peak Power:	20 Watts
· Revc:	3.6 $\Omega$
· Vas:	0.0091 Ltr
· Qms:	1.748
· Qes:	1.959
· Qts:	0.924
· Sd:	7.55cm <sup>2</sup>
· Weight:	85g





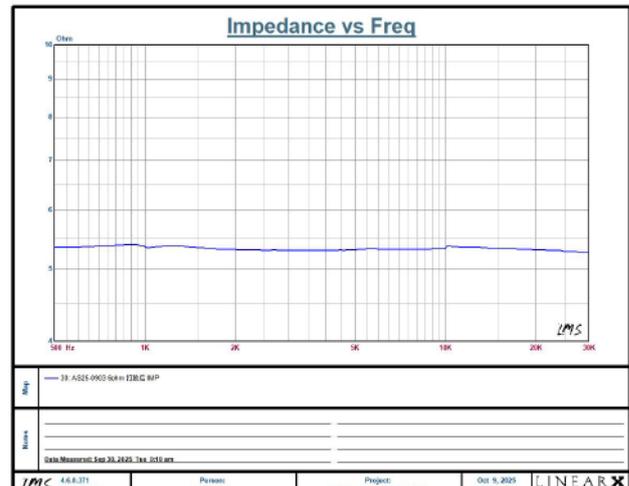
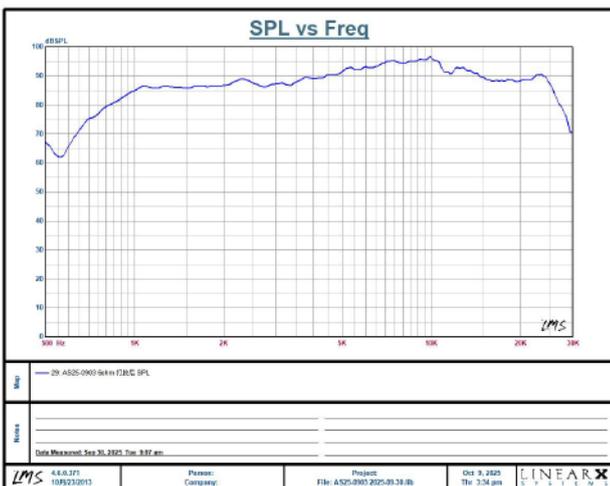
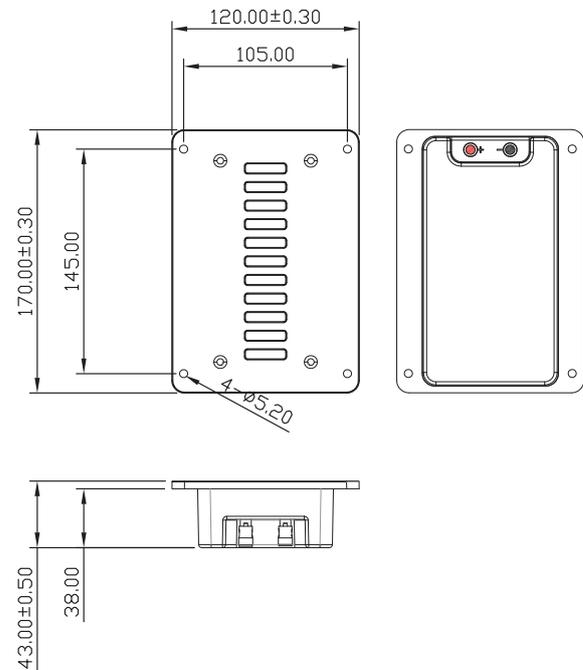
## AS tweeter unit AS25-0903

Ribbon tweeter with NdFeB  
With wide diffusion angle  
Easily handle large dynamic



The large-diameter ribbon tweeter can be combined with the sound-absorbing rear cavity structure to improve the problem of high Fo; The design of large aperture and multiple openings can adapt to larger horn panels, with a wide diffusion angle, creating an open and uniform sound field; The foldable diaphragm design can easily handle large dynamic music scenes, accurately reproducing everything from gentle strings to passionate symphonies, making it the preferred choice for high-quality audio.

Item	Parameters
· Motor:	NdFeB
· Voice coil dimension:	AMT
· Diaphragm:	Kapton
· Frame:	ABS
· Nominal Impedance:	6 Ω
· Sensitivity (1W/1M):	92±3dB
· Frequency Response:	1K -25K Hz
· Resonance frequency:	1K Hz
· Rated Power:	15 Watts
· Peak Power:	20 Watts
· Rev:	5.0 Ω
· Vas:	
· Qms:	
· Qes:	
· Qts:	
· Sd:	
· Weight:	1253g





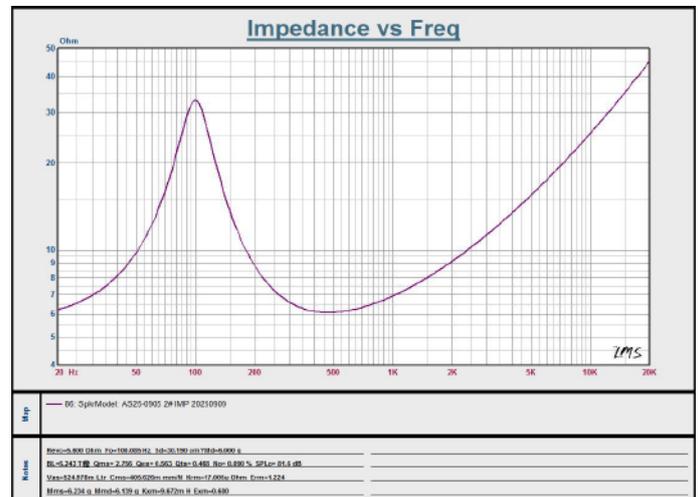
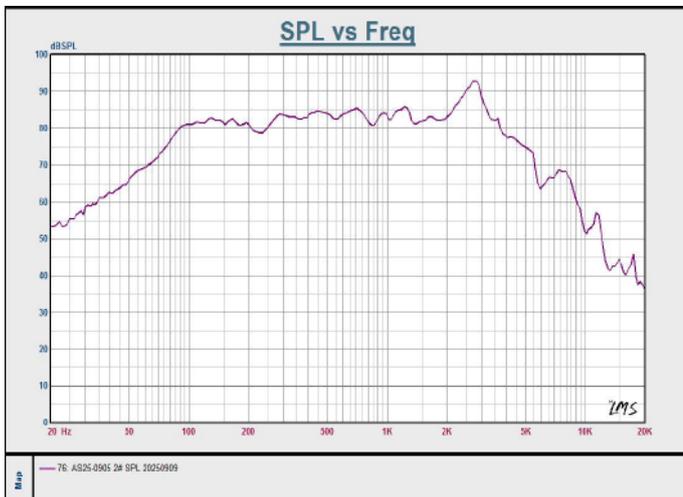
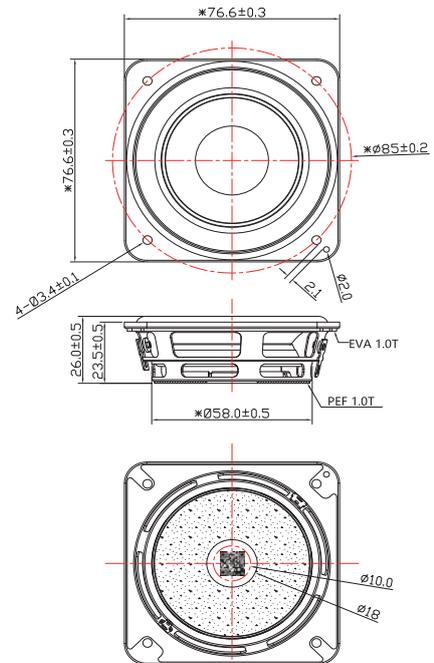
## AS woofer unit AS25-0905

3" woofer with NdFeB  
Ultra-thin design  
More deep low-frequency



Adopts a hidden U-magnet inner ultra-thin design, the height is suitable for the assembly of many mini sized products. The high smoothness rubber edge serves as the edge, fully ensures the flexibility and elasticity, allowing the low-frequency to dive more deeply while meets the power requirements, makes the sound more penetrating and full. The cone is made of paper and fiber, with delicate sound quality and rich vocal performance.

Item	Parameters
· Motor:	NdFeB
· Voice coil dimension:	25mm
· Diaphragm:	Paper+Rubber
· Frame:	SPCC
· Nominal Impedance:	6Ω
· Sensitivity (1W/1M):	82±3dB
· Frequency Response:	80 -4K Hz
· Resonance frequency:	100 Hz
· Rated Power:	10 Watts
· Peak Power:	15 Watts
· Revc:	5.0 Ω
· Vas:	0.525 Ltr
· Qms:	2.756
· Qes:	0.563
· Qts:	0.468
· Sd:	30.19cm <sup>2</sup>
· Weight:	128g





Ultra-thin design

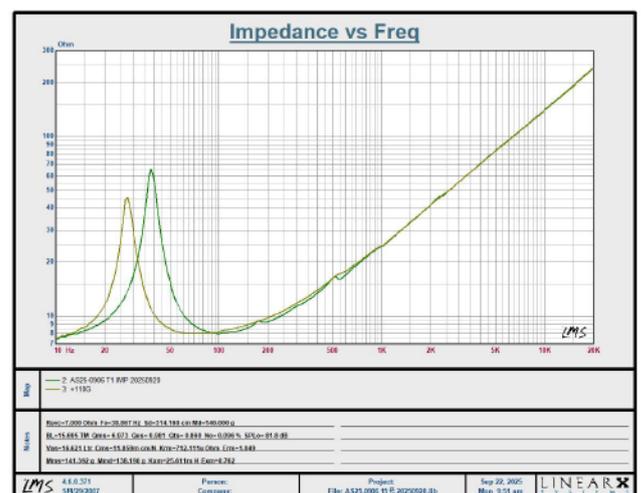
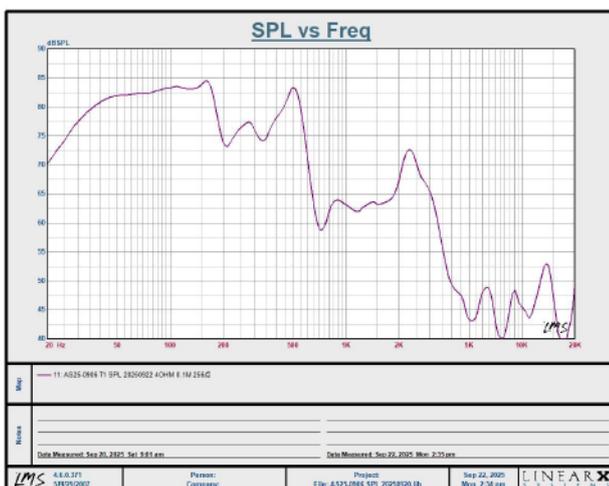
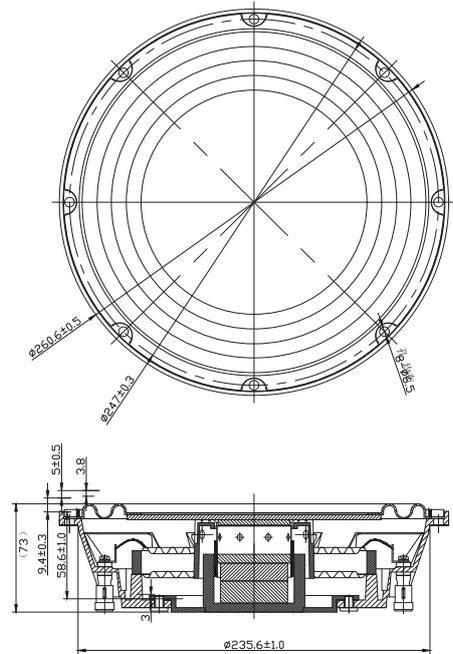
AS subwoofer unit  
AS25-0906

10" subwoofer with NdFeB  
DuPont's Conex spider  
Sandwiched cone by fiberglass+PMI+fiberglass



Adopts ultra-thin design, the high-strength diecast aluminum basket eliminates structural resonance. The motor adopts high-performance neodymium design, provides strong driving force; The imported high-performance Santonpren edge provides strong weather-resistance. The dual R design allows the ultra-thin horn to have a large stroke, coupled with DuPont's Conex spider, provides stable support and high-quality recovery performance. The cone adopts a sandwich structure of fiberglass+PMI+fiberglass, with a light weight and good dynamic stability.

Item	Parameters
· Motor:	NdFeB
· Voice coil dimension:	50mm
· Diaphragm:	GF+PMI+GF / Santonpren
· Frame:	Aluminium
· Nominal Impedance:	8 Ω
· Sensitivity (1W/1M):	82±3dB
· Frequency Response:	38 -200 Hz
· Resonance frequency:	38 Hz
· Rated Power:	100 Watts
· Peak Power:	200 Watts
· Rvc:	7.0 Ω
· Vas:	16.6 Ltr
· Qms:	6.973
· Qes:	0.981
· Qts:	0.86
· Sd:	314.16cm <sup>2</sup>
· Weight:	2.28 Kg



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**AS woofer unit  
AS25-0907**

**4" woofer with Ferrite  
DuPont's Conex spider  
NBR rubber edge**



Adopts a long stroke low distortion mid bass design; High strength diecast alu basket can eliminate structural resonance. The motor adopts a temperature resistant high-performance ferrite design, with 2 short-circuit rings designed to effectively reduce distortion. The imported high-performance NBR rubber edge with a wide R-edge has a great stroke. Combined with DuPont's Conex spider, provides stable support and high-quality recovery performance. The cone adopts a carbon fiber pot bottom filled with resin mold design, with a light weight and good dynamic stability.

Item	Parameters
· Motor:	Ferrite
· Voice coil dimension:	25mm
· Diaphragm:	Carbon Fiber +Rubber
· Frame:	Aluminium
· Nominal Impedance:	6Ω
· Sensitivity (1W/1M):	85±3dB
· Frequency Response:	68 -12.0K Hz
· Resonance frequency:	68 Hz
· Rated Power:	20 Watts
· Peak Power:	30 Watts
· Revc:	5.9Ω
· Vas:	3.72 Ltr
· Qms:	6.748
· Qes:	0.602
· Qts:	0.552
· Sd:	58.09cm <sup>2</sup>
· Weight:	1.20 Kg

