

DS701



◆ Description	:	Coaxial 2way Linear Phase Speaker
◆ Max input	:	150W
◆ Rated input	:	30W
◆ Frequency response	:	25Hz ~ 20,000Hz
◆ Sensitivity	:	104dB
◆ Impedance	:	8Ω
◆ Magnetic Flux Density	:	20,000 Gauss (Tweeter)
	:	16,000 Gauss (Woofer)
◆ Crossover Frequencies	:	1,000Hz
◆ Dimensions	:	φ402 × φ200 × 318H (mm)
◆ Weight	:	40kg

The DS701 exciter-driven speaker where the diaphragms of woofer and mid-range are placed on the same surface level, thus realizing entirely coaxial and in-phase configuration without time-alignment, delivers not only astounding energysensation but reproduces an outstanding sound-stage.

DS702



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◆ Impedance	:	8Ω
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The DS702, providing a long horn-road by placement of the horn-squawker's diaphragm at the rear bottom plate, thus ensuring superb sonic directivity and sharpness, makes it possible to procure unprecedented affluence and profundity of sonic image with the highest efficiency and energy sensation.

【 Magnetic Circuitry 】

An epoch-making exciter-circuit Maxonic boast of.

Yoke, pole, etc. are made of extruded iron annealed under 850°C hydrogen.

【 Woofer 】

Features wavy, free-edge cone composed of ultra-light cone paper only the exciter-system allows to employ thanks to its unparalleled electro-magnetic control capability.

【 Squawker 】

Aluminium-cast horn speaker adopting duralumin diaphragm and three-fold equalizer. Longer horn road created by placement of the diaphragm at the deep rear portion of the enclosure improves both of sharpness and beeline characteristics of reproduced sounds.

【 Unit Frame 】

Made of ultra-thick cast aluminium to sustain the heavy-duty magnetic circuitry.



W401(Center)
T501(Left) / S301(Right)



DS701



DS702



Field Exciter EX-101

With the speaker unit, by and large, efficiency in driving control on the diaphragm plays a crucial role of importance in terms of sonic excellence. Maxonic poured whole efforts, seeking after every possible measure, not only to achieve the necessary, sufficient amount of magnetic flux density but to realize ideal flow of magnetism in the magnetic circuitry, thus deriving the maximum control on the diaphragm.

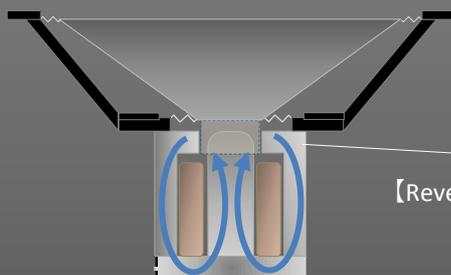
For this supreme purpose, employed is the driving system named "Exciter System" that magnetizes the entire circuit into a big magnet effectuated by coiled copper wires called "Field Coil". In the case of "Exciter System", the entire magnet system formed by a single component provides an utter equal permeability throughout the magnetic circuitry, thus delivering an ideal constant unchanged flow of magnetism.

It is this very flow of magnetism only the Exciter System affords that exhibits the full electro-magnetic control capability in the ideal form.

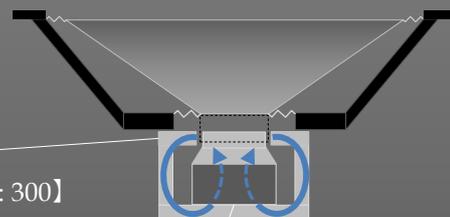
Maxonic devoted all of our ardent passion to development of such loudspeaker system that boasts of unparalleled high efficiency as well as excellent transient characteristics, utilizing these sublime factors inherent in this "Exciter Field-Coil" system.

~ Image ~

< Field excitation type magnetic circuit >



< Permanent magnet type magnetic circuit >



Fe Soft iron
【Reversible permeability μ_r : 300】

Permanent magnet 【Reversible permeability μ_r : 1.0~5.0】

Because magnetic circuit consists one single material, There is no difference in permeability, and no decay in magnetic flow.

Attenuation of the magnetic flow is caused by the difference between the permeability of soft iron and that of the embedded permanent magnet.