

DRIVER ND550

Professional High Frequency Transducer

The ND550 is a high performance 1.75-inch diaphragm compression driver with a 1.0 inch exit throat featuring several state of the art technologies. The diaphragm is precision formed from pure titanium. The suspension is based on a vented Polyester design for low distortion. Voice coil assembly is designed using high temperature kapton former.

PART NUMBER **15129025**

Features

- 1.75-inch Diaphragm, 1.0-inch Exit Throat/ Pure Titanium Compression Driver
- 100 watt Continuous program power handling
- Frequency range: 1200Hz - 20kHz
- 3-slot, optimized geometry phase plug
- Titanium diaphragm
- Copper inductance ring for extended response
- Vented, damped, low distortion suspension system
- Neodymium magnet assembly

Applications

Compact 2-way systems, multiple-way medium throw systems, compact and medium size high quality line arrays. Ideal for use within critical listening applications such as studio monitoring subwoofer systems. Very good linearity in combination with RCF HF94, HF64, HF101, H100 horns.



Notes to Specifications

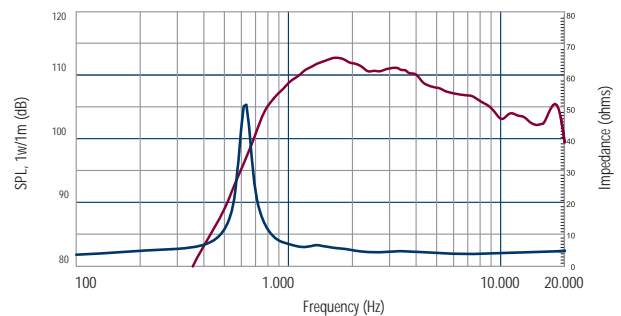
1. Continuous pink noise power ratings are derived from suggested AES standards sending a pink noise signal having a 6 dB crest factor with a high pass filter set at the specified lower limiting frequency for two hours. Continuous program power is a conservative power rating for reproduction of typical audio program material.
2. Sensitivity measurement is based on pink noise signal with input power of 1 watt and measured at 1 meter from the mouth of a horn with a Q of 15 on axis and averaged between 2 and 5 kHz.
3. Frequency range is defined as the measured frequency response -10dB relative to the rated sensitivity.

General Specifications

Exit Throat Diameter	25.4/1	mm/inch
Rated Impedance	8	ohm
Power handling capacity ¹		
continuous program above 1.5 kHz	100	Watt
AES above 1.5 kHz	50	Watt
Sensitivity 1 W, 1 M, on axis, on horn ²	109	dB
Frequency Range ³	1200 - 20000	Hz
Diaphragm Material	Pure Titanium	
Suspension Material	Polyester	
Suspension Design	Flat	
Minimum Impedance	7,5 ohm at 2500 Hz	
Voice Coil Diameter	44.4/1.75	mm/inch
Voice Coil Material	Edgewound Aluminum	
Voice Coil Former Design	Straight -Kapton	
Number of layers	1 - Outside	
BL Factor	8.1	T · m
Flux Density	2	T
Phase Plug Design	3 slot	
Phase Plug Material	Composite	
Magnetics	Neodymium	
Voice Coil Demodulation	Copper ring	

Mounting Information

Overall Diameter	90/3.5	mm/inch
Overall Height	47/1.8	mm/inch
Mounting		
4 x 6 mm threaded holes at 180 deg.	76.2/3.0	mm/inch
Net Weight	1.0/2.2	kg/Lbs
Shipping Weight	1.2/2.6	kg/Lbs



Frequency response and electrical impedance curve of the compression driver mounted on HF94 horn with input signal of 2.83 Volt.

