

PSD:3006 HF Drivers



Specification

Throat Size	2" 50.8mm
Nominal Impedance	8 ohms
Minimum Impedance	6.8 ohms @ 3.2kHz (as measured on a plane-wave tube)
Power Rating**	80W (AES500 spec except 500Hz xover @ 24dB/octave slope) 115W (AES800 spec with 800Hz xover @ 12dB/octave slope)
Resonance	511Hz
Usable Frequency Range	500Hz-18kHz
Recommended Crossover	See Power Rating
Sensitivity***	111.4dB (@ 1W/1m across 500Hz-18kHz on axis on Community SH494 horn)
Magnet Weight	80 oz.
Voice Coil Diameter	3" [76.2mm]
Re	4.8ohms

Mounting Information

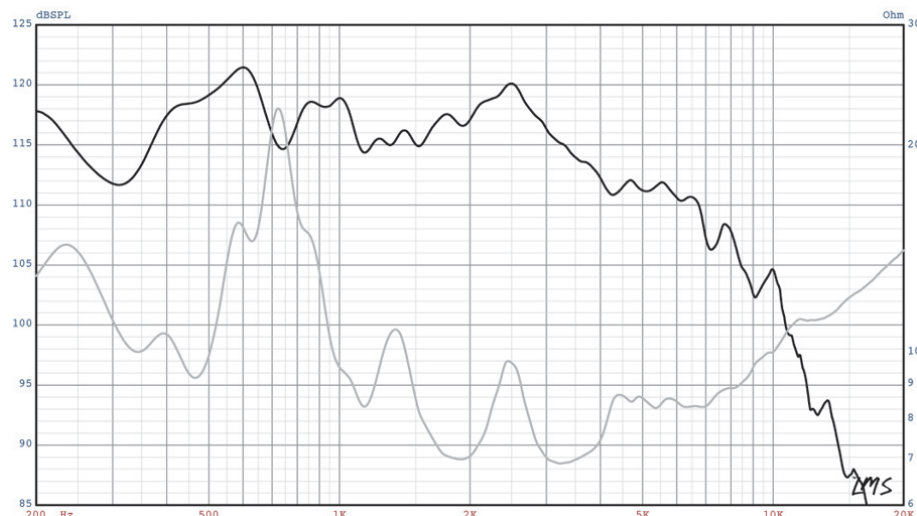
The PSD 3006 is bolt-on only.

Overall Diameter	7.9" 200.7mm
Mounting Holes Diameter	#4 (1/4-20)
Mounting Holes B.C.D.	4.0" [101.6mm]
Depth	3.1" [78.7mm]
Weight	13.5lbs

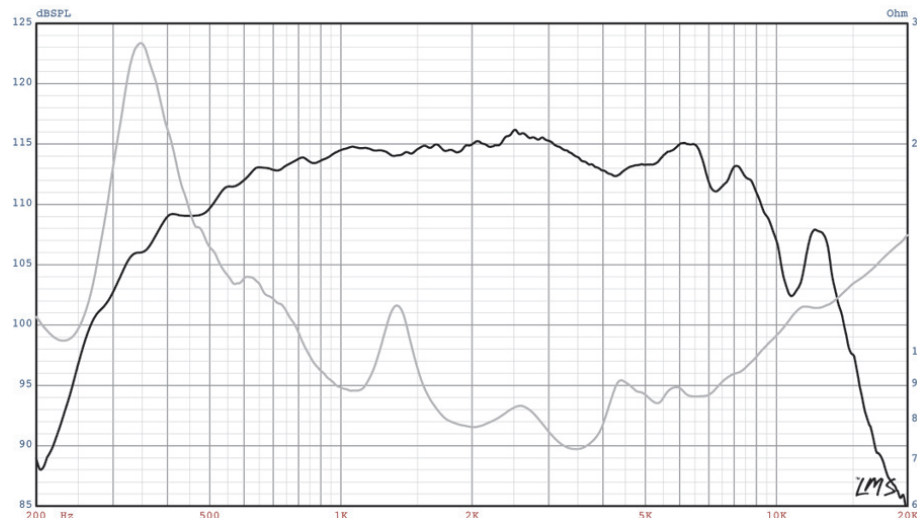
Materials of Construction

Voice Coil Former	Polyimide
Diaphragm Material	Titanium w/ geodesic design for unparalleled strength

Plane Wave Tube



Community SH494 Horn



** = Multiple units exceeded published rating evaluated under AES500 and AES800 noise sources and test standards while mounted on Eminence's TI-2000 horn in a non-temperature controlled environment.

*** = The average on axis output across the entire usable frequency range when applying 1W/1m into the nominal impedance while mounted on a Community SH494 horn measured with: LMS (software calibrated) using a 0.25" [6.4mm] supplied microphone mounted 1m from horn mouth, Hafler P1500 Trans-Nova amplifier, 2700cu.ft. chamber w/ fiberglass on all six surfaces (three with custom made wedges). Plane-wave tube response and impedance curves measured with LMS on a 0.75" [19.1mm] diameter tube with adapter to allow for smooth transition to throat diameter and 1mW into nominal impedance.