SF-1511A

15"-700W WOOFER

SFaudio

KEY FEATURES

700W AES Power Handling
79 mm(3.2 in) copper voice coil
41–3K Hz response
97 dB SPL



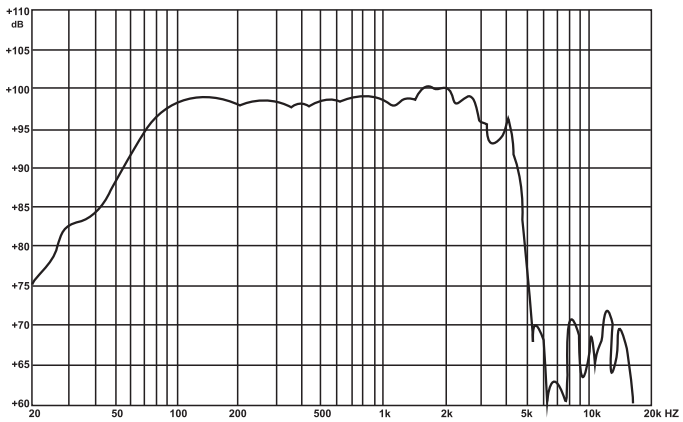


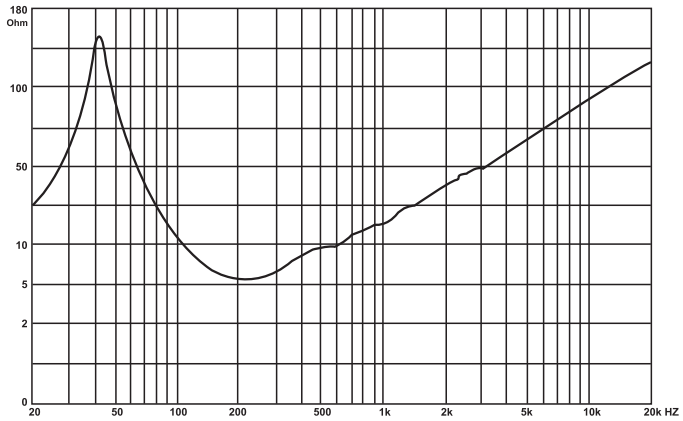
TYPICAL CHARACTERISTICS

Nominal Diameter	–	mm	393
Rated impedance	–	Ω	8
Half space sensitivity (1w@1m)	–	dB SPL	97
Usable freq. range	–	Hz	41–2500
AES Power handling (1)	–	W	700
Maximum Power Handling (2)	–	W	1400
Max Sound Pressure Level	SPLmax	dB SPL	100
Magnet Diameter	–	mm	200
Voice Coil Diameter	–	mm	79
BL product	BL	N/A	21.15
Moving mass	Mms	kg	0.117

ABSOLUTE MAXIMUM RATINGS

Short term max. input voltage	Vmax	V	90
Max.excursion before damage	Xdam	± mm	15
Ambient operating temperature	Ta	℃	–10 to +50
Storage temperature	–	℃	–20 to +70
Environemental withstanding Q	–	–	Outdoor





THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

Resonance frequency	Fs	Hz	41(± 5)
DC Resistance	Re	Ω	5.6(± 0.5)
Mechanical quality factor	Qms	1	4.5
Electrical quality factor	Qes	1	0.33
Total quality factor	Qts	1	0.31
Mechanical suspension compliance	Cms	10^{-6}.m/N	160
Effective piston area	Sd	m^2	0.0892
Equivalent Cas air load	Vas	m^3	0.180
Max linear excursion	Xmax	± mm	7.5
Linear displacement volume	Vd	$10^{-3}.m^3$	0.624
Reference efficiency	h0	%	2.5
Unity load volume	Vas.Qts^2	$10^{-3}.m^3$	16.4

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	393 mm
Bolt Circle Diameter	374 mm
Baffle Cutout Diameter	360 mm
Depth	160 mm
Net Weight	8.6 kg
Shipping Weight	9.3kg
Shipping Box	420x420x170 mm

NOTE:
(1) 2 Hours Test According to AES 2–1984 Rev. 2003
(2) Maximum power is defined as 3dB greater than nominal power