SF-1513NA

15"-800W SUBWOOFER

SFaudio

KEY FEATURES

800W AES Power Handling
100mm(4 in) copper voice coil
37–1.2 K Hz response
98 dB SPL
Special patent paper Cone



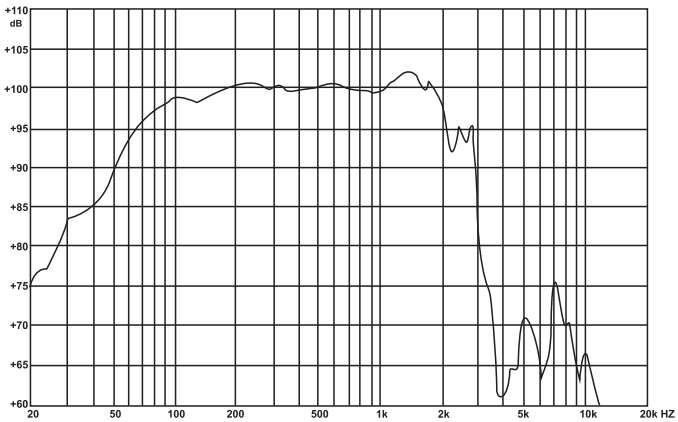
PATENT PRODUCT

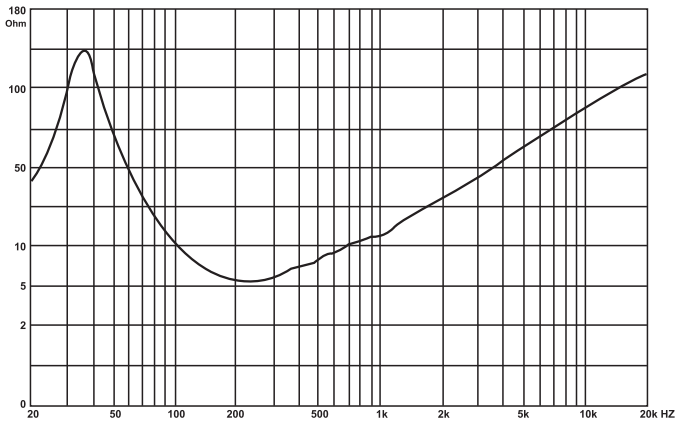


TYPICAL CHARACTERISTICS			
Nominal Diameter	–	mm	393
Rated impedance	–	Ω	8
Half space sensitivity (1w@1m)	–	dB SPL	98
Usable freq. range	–	Hz	37–1200
AES Power handling (1)	–	W	800
Maximum Power Handling (2)	–	W	1600
Max Sound Pressure Level	SPLmax	dB SPL	102
Magnet Diameter	–	mm	97.5x12
Voice Coil Diameter	–	mm	100
BL product	BL	N/A	28.2
Moving mass	Mms	kg	0.102

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	35(± 5)
DC Resistance	Re	Ω	5.6(± 0.5)
Mechanical quality factor	Qms	1	4.2
Electrical quality factor	Qes	1	0.26
Total quality factor	Qts	1	0.25
Mechanical suspension compliance	Cms	10^{-6}.m/N	160
Effective piston area	Sd	m^2	0.0892
Equivalent Cas air load	Vas	dm^3	139
Max linear excursion	Xmax	± mm	9.5
Linear displacement volume	Vd	$10^{-3}.m^3$	0.624
Reference efficiency	h0	%	3.2
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	186 mm
Net Weight	8.9 kg
Shipping Weight	9.6 kg
Shipping Box	420x420x220 mm

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