SF-1209NA

12"-550W WOOFER

SFaudio

KEY FEATURES

550W AES Power Handling
76mm(3 in) copper–clad aluminium voice coil
58–3.5 K Hz response
98dB SPL
Special patent paper Cone



PATENT PRODUCT

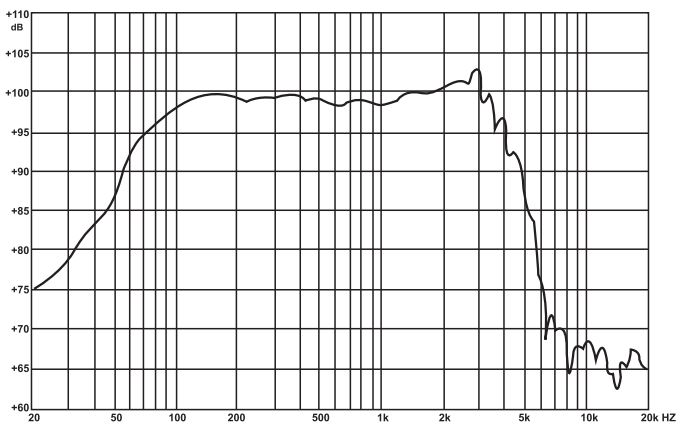


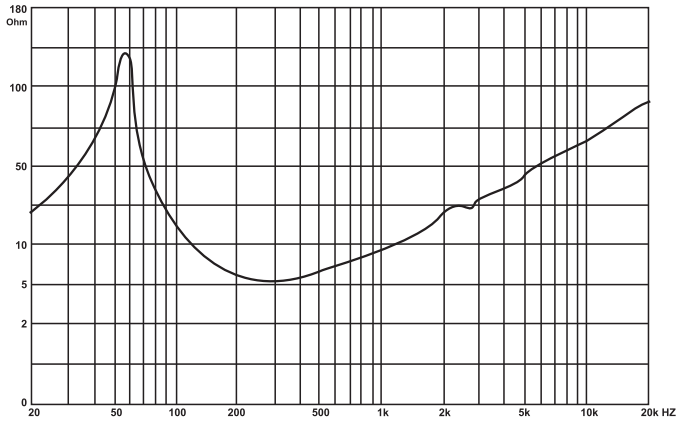
TYPICAL CHARACTERISTICS

Nominal Diameter	–	mm	313
Rated impedance	–	Ω	8
Half space sensitivity (1w@1m)	–	dB SPL	98
Usable freq. range	–	Hz	58–3500
AES Power handling (1)	–	W	550
Maximum Power Handling (2)	–	W	1100
Max Sound Pressure Level	SPLmax	dB SPL	106
Magnet Diameter	–	mm	74.5x10
Voice Coil Diameter	–	mm	76
BL product	BL	N/A	19.8
Moving mass	Mms	kg	0.060

ABSOLUTE MAXIMUM RATINGS

Short term max. input voltage	Vmax	V	60
Max.excursion before damage	Xdam	± mm	13
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	58(± 6)
DC Resistance	Re	Ω	5.5(± 0.5)
Mechanical quality factor	Qms	1	5.36
Electrical quality factor	Qes	1	0.41
Total quality factor	Qts	1	0.37
Mechanical suspension compliance	Cms	10^{-6}.m/N	210
Effective piston area	Sd	m^2	0.054
Equivalent Cas air load	Vas	m^3	0.085
Max linear excursion	Xmax	± mm	5.5
Linear displacement volume	Vd	$10^{-3}.m^3$	0.297
Reference efficiency	h0	%	3.4
Unity load volume	$Vas.Qts^2$	$10^{-3}.m^3$	3.7

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	313 mm
Bolt Circle Diameter	295 mm
Baffle Cutout Diameter	283 mm
Depth	141 mm
Net Weight	4.9 kg
Shipping Weight	5.3 kg
Shipping Box	323x323x151 mm

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