

SF-1549A

15"-650W WOOFER



KEY FEATURES

650W AES Power Handling
76mm(3 in) copper voice coil
42-2.5 K Hz response
96 dB SPL



TYPICAL CHARACTERISTICS

Nominal Diameter	-	mm	393
Rated impedance	-	Ω	8
Half space sensitivity (1w@1m)	-	dB SPL	96
Usable freq. range	-	Hz	42-2500
AES Power handling (1)	-	W	650
Maximum Power Handling (2)	-	W	1300
Max Sound Pressure Level	SPLmax	dB SPL	100
Magnet Diameter	-	mm	200
Voice Coil Diameter	-	mm	76
BL product	BL	N/A	20.92
Moving mass	Mms	kg	0.102

THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

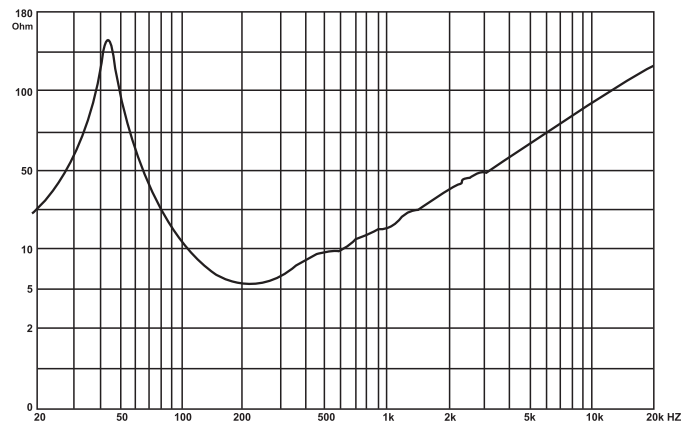
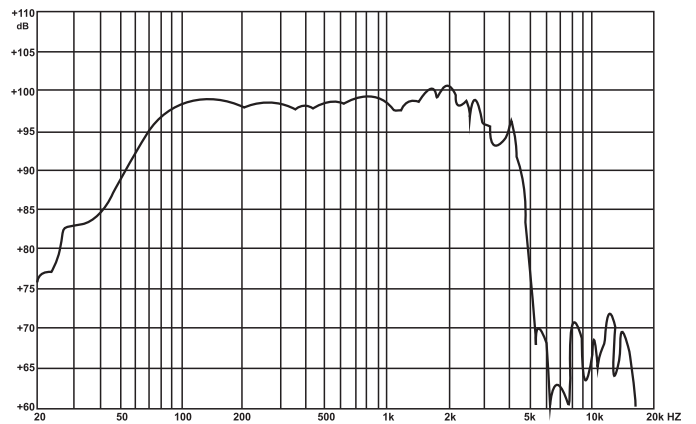
Resonance frequency	Fs	Hz	42(±5)
DC Resistance	Re	Ω	5.6(±0.5)
Mechanical quality factor	Qms	1	4.2
Electrical quality factor	Qes	1	0.32
Total quality factor	Qts	1	0.30
Mechanical suspension compliance	Cms	10^{-6} .m/N	160
Effective piston area	Sd	m^2	0.0892
Equivalent Cas air load	Vas	m^3	0.180
Max linear 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	171 mm
Net Weight	8.52 kg
Shipping Weight	8.95 kg
Shipping Box	420x420x205 mm

ABSOLUTE MAXIMUM RATINGS

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



NOTE:

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