

# SF-0893A

8"-250W WOOFER



## KEY FEATURES

- 250W AES Power Handling
- 51mm(2 in) copper-clad aluminium voice coil
- 82-4.5 K Hz response
- 96 dB SPL



## TYPICAL CHARACTERISTICS

Nominal Diameter	-	mm	209
Rated impedance	-	$\Omega$	8 (16)
Half space sensitivity (1w@1m)	-	dB SPL	96
Usable freq. range	-	Hz	82-4500
AES Power handling (1)	-	W	250
Maximum Power Handling (2)	-	W	500
Max Sound Pressure Level	SPLmax	dB SPL	97
Magnet Diameter	-	mm	140
Voice Coil Diameter	-	mm	51
BL product	BL	N/A	10.85
Moving mass	Mms	kg	0.025

## THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

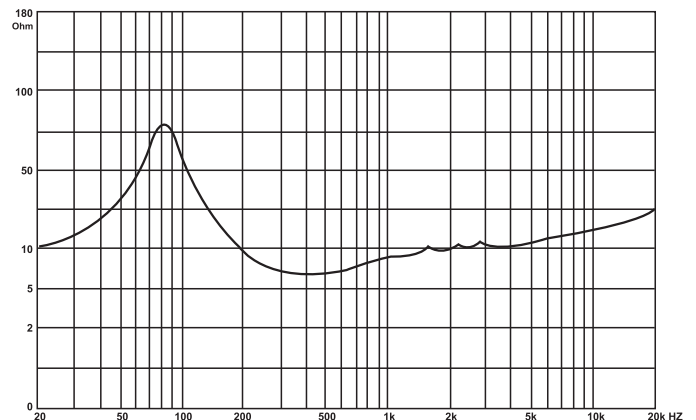
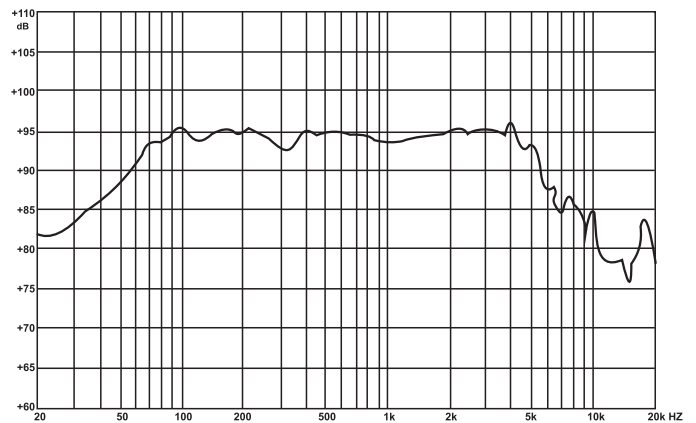
Resonance frequency	Fs	Hz	82( $\pm 10$ )
DC Resistance	Re	$\Omega$	5.5( $\pm 0.6$ )
Mechanical quality factor	Qms	1	4.5
Electrical quality factor	Qes	1	0.49
Total quality factor	Qts	1	0.46
Mechanical suspension compliance	Cms	$10^{-6} \cdot \text{m/N}$	200
Effective piston area	Sd	$\text{m}^2$	0.028
Equivalent Cas air load	Vas	$\text{m}^3$	0.0130
Max linear excursion	Xmax	$\pm \text{mm}$	4.5
Linear displacement volume	Vd	$10^{-3} \cdot \text{m}^3$	0.088
Reference efficiency	h0	%	1.9
Unity load volume	Vas.Qts <sup>2</sup>	$10^{-3} \cdot \text{m}^3$	0.7

## MOUNTING AND SHIPPING INFORMATION

Overall Diameter	209 mm
Bolt Circle Diameter	195 mm
Baffle Cutout Diameter	185 mm
Depth	105 mm
Net Weight	4.48 kg
Shipping Weight	4.8 kg
Shipping Box	218x218x115 mm

## ABSOLUTE MAXIMUM RATINGS

Short term max. input voltage	Vmax	V	35
Max.excursion before damage	Xdam	$\pm \text{mm}$	9
Ambient operating temperature	Ta	$^{\circ}\text{C}$	-10 to +50
Storage temperature	-	$^{\circ}\text{C}$	-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