ALPHA 4

Perfectly suited for line array, car doors or side panels, and other tight fitting applications, the Alpha 4 is a very versatile 110 watt driver that can be used full range, as a midbass, or as a midrange. They can be stacked by themselves in a column for vocal applications, or in conjunction with a tweeter and a sub for compact, high performance PA or MI applications.

- **110 W** Program Power
- **4"** Nominal Diameter
- **4** or **8 Ω**

APPLICATION		ENCLOSURE	
Midrange	✔	Sealed Box	✔
Midbass	✔	Vented Box	✔
Woofer		Scoop Loading	
Subwoofer		Horn Loading	
Bass Guitar			

SPECIFICATION

Nominal Basket Diameter	4", 102 mm
Nominal Impedance*	4 or 8 Ω
Power Rating*	
Program Power	110 W
Nominal Power	55 W
Resonance	120 Hz
Usable Frequency Range	105 Hz – 10 kHz
Sensitivity*	88 dB
Magnet Weight	10 oz.
Gap Height	0.14", 3.7 mm
Voice Coil Diameter	1", 25 mm

THIELE & SMALL PARAMETERS

Fs	120 Hz
Re	3.42 Ω
Le	0.18 mH
Qms	6.41
Qes	0.7
Qts	0.63
Vas	0.06 cu.ft., 1.76 liters
Vd	15 cc
Cms	0.38 mm/N
BL	4.12 T-M
Mms	5 grams
EBP	172
Xmax	2.6 mm
Sd	57.7 cm2
Xlim	4.5 mm

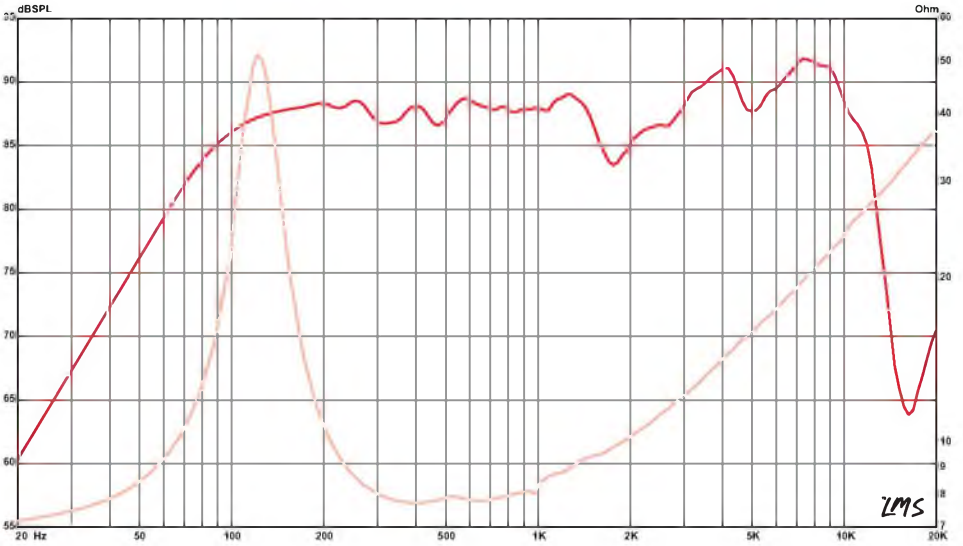
MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	1.84–4.53 liters, 0.07–0.16 cu.ft.
Vented	3.96–7.08 liters, 0.14–0.25 cu.ft.
Driver Volume Displaced	0.012 cu.ft., 0.33 liters
Overall Diameter	4.57", 116.1 mm
Baffle Hole Diameter	3.77", 95.8 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.15", 3.8 mm
Mounting Holes B.C.D.	4.25", 108 mm
Depth	2.31", 58.7 mm
Net Weight	1.5 lbs , 0.68 kg
Shipping Weight	1.9 lbs , 0.86 kg

MATERIALS OF CONSTRUCTION

Copper voice coil
Polyimide former
Ferrite magnet
Non-Vented core
Pressed steel basket
Paper cone
Cloth cone edge
Solid composition paper dust cap

FREQUENCY RESPONSE & IMPEDANCE CURVE*



* See footnotes on page 155 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.