

ALPHA 6

Nominal Basket Diameter	6", 152.4mm
Impedance	8 ohms
Power Rating	100Wrms
Resonance	118Hz
Usable Frequency Range	110Hz - 8kHz
Sensitivity	see chart on web
Magnet Weight	20oz.
Gap Height	0.25", 6.35mm
Voice Coil Diameter	1.5", 38.1mm

Mounting Information

Recommended Enclosure Volume (vented)	8.5 - 15.5 liters 0.3 - 0.55 cu. ft.
Overall Diameter	6.59", 167.4mm
Baffle Hole Diameter	5.65", 143.5mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.225", 5.7mm
Mounting Holes B.C.D.	6.06", 154mm
Depth	2.795", 71mm
Shipping Weight	4.5lbs., 2.1 kg.

Thiele-Small Parameters

Resonant Frequency (fs)	118Hz
Impedance (Re)	7.20 ohms
Coil Inductance (Le)	0.19mH
Electromagnetic Q (Qes)	0.60
Mechanical Q (Qms)	5.68
Total Q (Qts)	0.54
Compliance Equivalent Volume (Vas)	5.8 liters 0.20 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	0cc
Mechanical Compliance of Suspension (Cms)	0.26mm/N
BL Product (BL)	8.0 T-M
Diaphragm Mass inc. Airload (Mms)	7 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	0.93N*sec/M
Efficiency Bandwidth Product (EBP)	196
Voice Coil Overhang (Xmax)	0mm
Surface Area of Cone (Sd)	126.7cm ²
Impedance at Resonance (Zmax)	75 ohms
Maximum Linear Excursion (Xmech)	10.92mm



Application Notes

Ideal for midrange in three-way systems and small background sound systems.

Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 34ga., copper voice coil for improved power handling and durability.
- Ferrite Magnet
- Vented core for increased power handling
- Premium pressed steel basket for maximum strength
- Paper cone
- Rolled cloth cone edge
- Solid composition paper dust cap

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