

ALPHA 8

Nominal Basket Diameter	8", 203.2mm
Impedance	8 ohms
Power Rating	125Wrms
Resonance	76Hz
Usable Frequency Range	65Hz - 5kHz
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)	31 - 51 liters 1.1 - 1.8 cu. ft.
Overall Diameter	8.24", 209.2mm
Baffle Hole Diameter	7.13", 181mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.218", 5.5mm
Mounting Holes B.C.D.	7.75", 196.9mm
Depth	3.25", 82mm
Shipping Weight	5.1lbs., 2.3 kg.

Thiele-Small Parameters

Resonant Frequency (fs)	76Hz
Impedance (Re)	5.27 ohms
Coil Inductance (Le)	0.65mH
Electromagnetic Q (Qes)	0.60
Mechanical Q (Qms)	4.5
Total Q (Qts)	0.53
Compliance Equivalent Volume (Vas)	14.1 liters 0.5 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	67cc
Mechanical Compliance of Suspension (Cms)	0.23mm/N
BL Product (BL)	9.0 T-M
Diaphragm Mass inc. Airload (Mms)	20 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	2.06N*sec/M
Efficiency Bandwidth Product (EBP)	127
Voice Coil Overhang (Xmax)	3.2mm
Surface Area of Cone (Sd)	210cm ²
Impedance at Resonance (Zmax)	45 ohms
Maximum Linear Excursion (Xmech)	14.22mm



Application Notes

Ideal for small P.A. systems, keyboards, and guitar combos.

Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 31ga., 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
- Cloth cone edge
- Solid composition paper dust cap

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