

ALPHA 8MR

Nominal Basket Diameter	8", 203.2mm
Impedance	8 ohms
Power Rating	125Wrms
Resonance	545Hz
Usable Frequency Range	500Hz - 5kHz
Sensitivity	see chart on web
Magnet Weight	20oz.
Gap Height	0.25", 6.35mm
Voice Coil Diameter	1.5", 38.1mm

Mounting Information

Overall Diameter	8.22", 208.8mm
Baffle Hole Diameter	7.19", 182.5mm
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)	545Hz
Impedance (Re)	7.43 ohms
Coil Inductance (Le)	0.37mH
Electromagnetic Q (Qes)	2.78
Mechanical Q (Qms)	8.17
Total Q (Qts)	2.07
Compliance Equivalent Volume (Vas)	0.61 liters
	0.02 cu. ft.
	0cc
Peak Diaphragm Displacement Volume (Vd)	0.01mm/N
Mechanical Compliance of Suspension (Cms)	9.1 T-M
BL Product (BL)	9 grams
Diaphragm Mass inc. Airlod (Mms)	
Equiv. Resistance of Mechanical Suspension Loss (Rms)	3.76N*sec/M
Efficiency Bandwidth Product (EBP)	196
Voice Coil Overhang (Xmax)	0mm
Surface Area of Cone (Sd)	214.1cm ²
Impedance at Resonance (Zmax)	29 ohms
Maximum Linear Excursion (Xmech)	9.40mm



Application Notes

Ideal for building into bass enclosures to extend the range of a cabinet, creating an economical two-way system.

The closed-back basket does not need a separate enclosure.

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
- Premium pressed steel basket with closed back to enable a two-way system without a separate enclosure for the midrange driver
- Paper cone
- Cloth cone edge
- Solid composition paper dust cap

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