

# LINE ARRAY SERIES

## LA6-MR

Nominal Basket Diameter	6.5", 165mm
Impedance	8 ohms
Power Rating	175Wrms
Resonance	90Hz
Usable Frequency Range	300Hz - 6kHz
Sensitivity	95dB
Magnet Weight	34 oz.
Gap Height	0.313", 7.94mm
Voice Coil Diameter	1.75", 44.5mm

### Mounting Information

Recommended Enclosure Volume (closed)	.6 - 1 liters
Overall Diameter	.02 - .035 cu. ft.
Width Across Flats	6.59", 167mm
Baffle Hole Diameter	6", 152mm
Front Sealing Gasket	5.69", 144.4mm
Mounting Holes Diameter	<i>fitted as standard</i>
Mounting Holes B.C.D.	0.225", 5.71mm
Depth	6.06", 154mm
Shipping Weight	2.668", 67.77mm
	6.24lbs., 2.83 kg.

### Thiele-Small Parameters

Resonant Frequency (fs)	90Hz
Impedance (Re)	6.4 ohms
Coil Inductance (Le)	0.43mH
Electromagnetic Q (Qes)	0.28
Mechanical Q (Qms)	2.92
Total Q (Qts)	0.26
Compliance Equivalent Volume (Vas)	6.23 liters
	0.22 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	12.6cc
Mechanical Compliance of Suspension (Cms)	0.225mm/N
BL Product (BL)	12.96 T-M
Diaphragm Mass inc. Airload (Mms)	13.97 grams
Equiv. Resistance of Mechanical Suspension Loss (Rms)	2.69N*sec/M
Efficiency Bandwidth Product (EBP)	322
Voice Coil Overhang (Xmax)	0.8mm
Surface Area of Cone (Sd)	139.7cm <sup>2</sup>
Impedance at Resonance (Zmax)	76 ohms
Maximum Mechanical Limit (Xmech)	3mm



### Application Notes

Designed to cover 300-3kHz. Truncated basket design minimizes acoustical center spacing and facilitates line array applications. Driver parameters also practical for standard three way designs.

### Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 32ga., copper voice coil for improved power handling and durability
- Ferrite Magnet
- Premium pressed steel basket for maximum strength
- Paper cone
- Foam cone edge

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