

Specification

Nominal Basket Diameter	6.5 in., 165.1mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	100 W
Peak	400 W
Resonance	119 Hz
Usable Frequency Range***	100 Hz-5.3 kHz
Sensitivity	93.4
Magnet Weight	20 oz
Gap Height	0.24 in., 6.1 mm
Voice Coil Diameter	1.5 in., 38.1 mm

Thiele & Small Parameters

Resonant Frequency (fs)	119 Hz
DC Resistance (Re)	6.49
Coil Inductance (Le)	0.52 mH
Mechanical Q (Qms)	11.95
Electromagnetic Q (Qes)	0.67
Total Q (Qts)	0.63
Compliance Equivalent Volume (Vas)	3.57 liters/ 0.13 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	22.81 cc
Mechanical Compliance of Suspension (Cms)	0.16 mm/N
BL Product (BL)	9.04 T-M
Diaphragm Mass inc. Airload (Mms)	11.2 grams
Efficiency Bandwidth Product (EBP)	178.93
Maximum Linear Excursion (Xmax)	1.8 mm
Surface Area of Cone (Sd)	126.7 cm ²
Maximum Mechanical Limit (Xlim)	5 mm

Mounting Information

Recommended Enclosure Volume	N/A
Sealed	
Vented	6.23-10.48 liters/0.22-0.37 cu.ft.
Driver Volume Displaced	0.41 liters/25 cu.in.
Overall Diameter	167.64 mm/6.6 in.
Baffle Hole Diameter	142.24 mm/5.6 in.
Front Sealing Gasket	Fitted as standard
Rear Sealing Gasket	N/A
Mounting Holes Diameter	5.59 mm/5.59 in.
Mounting Holes B.C.D.	155.96 mm/6.14 in.
Depth	83.82 mm/3.3 in.
Net Weight	1.72kg/3.8 lbs.
Shipping Weight	

Materials of Construction

Copper voice coil
Polyimide former
Ferrite magnet
Vented core
Pressed steel basket
Treated Paper Cone
Sealed Cloth cone edge
Treated paper dust cap



EMINATOR® 1506 Eminator® Car Audio Series

High SPL Car Audio Mid/Bass Driver. Can be used in small enclosures or in free air (doors, open baffles, deck lids)



* Please inquire about alternative impedances.

** Multiple units exceed published rating evaluated under EIA 426A noise source and test standard while in a free-air, non-temperature controlled environment.

*** The average output across the usable frequency range when applying 1W/1M into the nominal impedance. ie: 2.83V/8ohms, 4V/16ohms.

Eminence response curves are measured under the following conditions: All speakers are tested at 1w/1m using a variety of test set-ups for the appropriate impedance | LMS using 0.25" supplied microphone (software calibrated) mounted 1m from wall/baffle | 2ft. X 2ft. baffle is built into the wall with the speaker mounted flush against a steel ring for minimum diffraction | Haffler P1500 Trans-Nova amplifier | 2700 cu.ft. chamber with fiberglass on all six surfaces (three with custom-made wedges)