EMINENCE®
The Art and Science of Sound

EMINATOR® 1508

Eminator® Car Audio Series

High SPL Car Audio Mid/Bass Driver

Specification

Nominal Basket Diameter	8 in., 203.2mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	125 W
Peak	500 W
Resonance	82.68 Hz
Usable Frequency Range***	90 Hz-4.4 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)	82.68 Hz
DC Resistance (Re)	6.7
Coil Inductance (Le)	0.68 mH
Mechanical Q (Qms)	2.98
Electromagnetic Q (Qes)	0.74
Total Q (Qts)	0.59
Compliance Equivalent Volume (Vas)	14 liters/ 0.49 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	70.7 cc
Mechanical Compliance of Suspension (Cms)	0.22 mm/N
BL Product (BL)	8.95 T-M
Diaphragm Mass inc. Airload (Mms)	17 grams
Efficiency Bandwidth Product (EBP)	111.98
Maximum Linear Excursion (Xmax)	3.3 mm
Surface Area of Cone (Sd)	214.1 cm2
Maximum Mechanical Limit (Xlim)	6.5 mm

Mounting Information

Recommended Enclosure Volume	
Sealed	N/A
Vented	7.65-31.72 liters/0.27-1.12 cu.ft.
Driver Volume Displaced	0.58 liters/35.3 cu.in.
Overall Diameter	209.55 mm/8.25 in.
Baffle Hole Diameter	180.34 mm/7.1 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.	197.87 mm/7.79 in.
Depth	91.4 mm/3.6 in.
Net Weight	1.81kg/4 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

* 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 | Hafler P1500 Trans-Nova amplifier | 2700 cu.ft. chamber with fiberglass on all six surfaces (three with custom-made wedges)