

Specification

Nominal Basket Diameter	12 in., 304.8mm
Nominal Impedance*	4 ohms
Power Rating**	
Watts	300 W
Peak	1,200 W
Resonance	43.78 Hz
Usable Frequency Range***	38 Hz-0.3 kHz
Sensitivity	91.2
Magnet Weight	56 oz
Gap Height	0.39 in., 10.01 mm
Voice Coil Diameter	2.5 in., 63.5 mm

Thiele & Small Parameters

Resonant Frequency (fs)	43.78 Hz
DC Resistance (Re)	3.65
Coil Inductance (Le)	2.3 mH
Mechanical Q (Qms)	9.15
Electromagnetic Q (Qes)	0.45
Total Q (Qts)	0.43
Compliance Equivalent Volume (Vas)	46.07 liters/ 1.63 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	316 cc
Mechanical Compliance of Suspension (Cms)	0.12 mm/N
BL Product (BL)	16.05 T-M
Diaphragm Mass inc. Airload (Mms)	114.4 grams
Efficiency Bandwidth Product (EBP)	98.24
Maximum Linear Excursion (Xmax)	6 mm
Surface Area of Cone (Sd)	525.9 cm ²
Maximum Mechanical Limit (Xlim)	12 mm

Mounting Information

Recommended Enclosure Volume	
Sealed	25.49-49.55 liters/0.9-1.75 cu.ft.
Vented	39.64-70.79 liters/1.4-2.5 cu.ft.
Driver Volume Displaced	2.25 liters/137 cu.in.
Overall Diameter	312.42 mm/12.3 in.
Baffle Hole Diameter	279.4 mm/11 in.
Front Sealing Gasket	Fitted as standard
Rear Sealing Gasket	N/A
Mounting Holes Diameter	6.35 mm/6.35 in.
Mounting Holes B.C.D.	297.69 mm/11.72 in.
Depth	142.24 mm/5.6 in.
Net Weight	5.26kg/11.6 lbs.
Shipping Weight	

Materials of Construction

Copper voice coil
Polyimide former
Ferrite magnet
Vented core
Pressed steel basket
Treated Paper Cone
Foam Edge
Treated paper dust cap

EMINATOR® 2512 Eminator® Car Audio Series

High-Power Subwoofer, 4 ohm Voice Coil



* 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)