

## Specification

Nominal Basket Diameter	10 in., 254mm
Nominal Impedance*	4 ohms
Power Rating**	
Watts	300 W
Peak	1,200 W
Resonance	49.48 Hz
Usable Frequency Range***	55 Hz-0.5 kHz
Sensitivity	91.9
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)	49.48 Hz
DC Resistance (Re)	3.74
Coil Inductance (Le)	0.72 mH
Mechanical Q (Qms)	12.88
Electromagnetic Q (Qes)	0.49
Total Q (Qts)	0.47
Compliance Equivalent Volume (Vas)	40.33 liters/ 1.42 cu.ft.
Peak Diaphragm Displacement Volume (Vd)	106.6 cc
Mechanical Compliance of Suspension (Cms)	0.23 mm/N
BL Product (BL)	10.46 T-M
Diaphragm Mass inc. Airload (Mms)	45.83 grams
Efficiency Bandwidth Product (EBP)	101.44
Maximum Linear Excursion (Xmax)	3 mm
Surface Area of Cone (Sd)	355.4 cm <sup>2</sup>
Maximum Mechanical Limit (Xlim)	8 mm

## Mounting Information

Recommended Enclosure Volume	
Sealed	15.57-28.32 liters/0.55-1 cu.ft.
Vented	24.07-59.47 liters/0.85-2.1 cu.ft.
Driver Volume Displaced	1.42 liters/87 cu.in.
Overall Diameter	259.04 mm/10.2 in.
Baffle Hole Diameter	231.9 mm/9.13 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.	246.13 mm/9.69 in.
Depth	116.84 mm/4.6 in.
Net Weight	5.17kg/11.4 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® 2510 Eminator® Car Audio Series

High-Power Woofer, 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)