### **Specification**

Nominal Basket Diameter 10 in 254mm Nominal Impedance\* 4 ohms Power Rating\*\* Watts 300 W Peak 1.200 W 49.48 Hz Resonance Usable Frequency Range\*\*\* 55 Hz-0.5 kHz Sensitivity 91.9 56 oz Magnet Weight Gap Height 0.39 in., 10.01 mm Voice Coil Diameter 2.5 in., 63.5 mm

#### **Thiele & Small Parameters**

49.48 Hz Resonant Frequency (fs) 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 cm2 Maximum Mechanical Limit (Xlim) 8 mm

## **Mounting Information**

Recommended Enclosure Volume

Sealed 15 57-28 32 liters/0 55-1 cu ft 24.07-59.47 liters/0.85-2.1 cu.ft. Vented Driver Volume Displaced 1.42 liters/87 cu.in. Overall Diameter 259.04 mm/10.2 in. 231.9 mm/9.13 in. Baffle Hole Diameter 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.

#### **Materials of Construction**

Copper voice coil Polyimide former Ferrite magnet Vented core Pressed steel basket Treated Paper Cone

Shipping Weight

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)