

Specification

Nominal Basket Diameter	15", 381mm
Nominal Impedance*	4 ohms
Power Rating**	
Watts	300W
Music Program	600W
Resonance	38Hz
Usable Frequency Range***	52Hz-2.5kHz
Sensitivity	98
Magnet Weight	7 oz
Gap Height	0.28", 7mm
Voice Coil Diameter	2.5", 63.5mm

Thiele & Small Parameters

Resonant Frequency (fs)	38Hz
DC Resistance (Re)	3.72
Coil Inductance (Le)	0.39mH
Mechanical Q (Qms)	4.7
Electromagnetic Q (Qes)	0.50
Total Q (Qts)	0.45
Compliance Equivalent Volume (Vas)	260 ltr/9.2 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	381cc
Mechanical Compliance of Suspension (Cms)	0.26mm/N
BL Product (BL)	11.1 T-M
Diaphragm Mass inc. Airload (Mms)	70 grams
Efficiency Bandwidth Product (EBP)	76
Maximum Linear Excursion (Xmax)	4.5mm
Surface Area of Cone (Sd)	856cm ²
Maximum Mechanical Limit (Xlim)	8.5mm

Mounting Information

Recommended Enclosure Volume	
Sealed	45-82 ltr/1.6-2.9 cu. ft.
Vented	85-119 ltr/3-4.2 cu. ft.
Overall Diameter	15.32", 389.1mm
Baffle Hole Diameter	14.0", 355.6mm
Front Sealing Gasket	Fitted as Standard
Rear Sealing Gasket	Fitted as Standard
Mounting Holes Diameter	0.28", 7.0mm
Mounting Holes B.C.D.	14.56", 369.9mm
Depth	6.9", 175mm
Net Weight	5.7 lbs, 2.6 kg
Shipping Weight	7.9 lbs, 3.6 kg

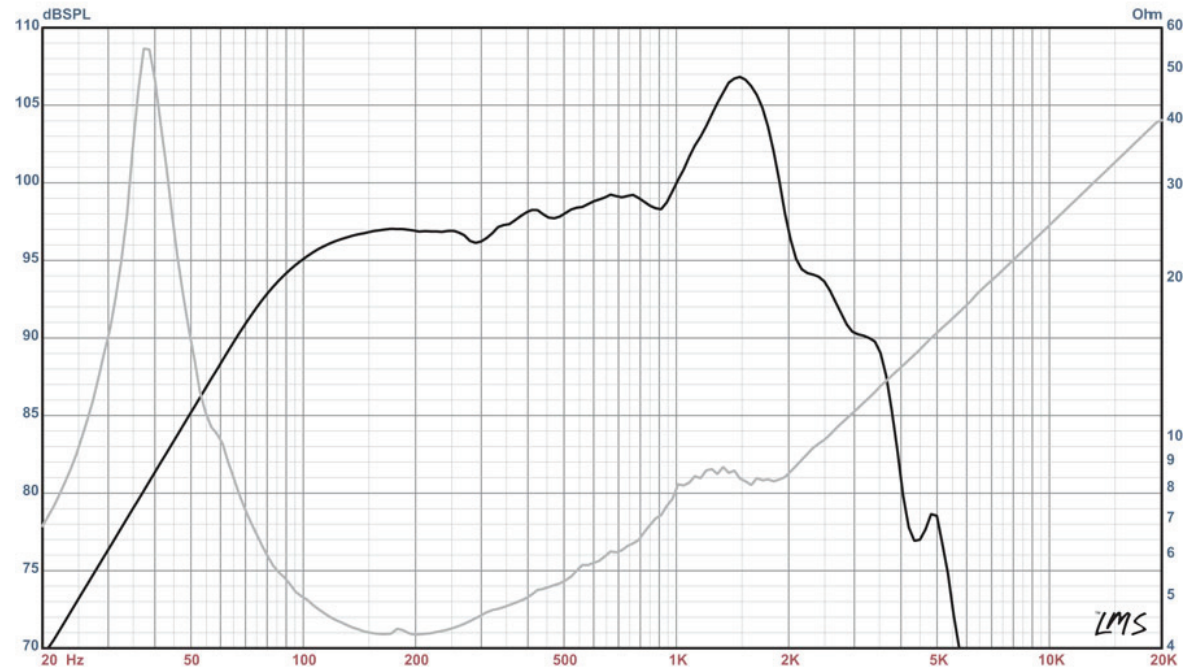
Materials of Construction

Coil Construction	Copper
Coil	Polymide
Magnet Composition	Neodymium
Core Details	Vented
Basket Materials	Die-Cast Aluminum
Cone Composition	Paper
Cone Edge Composition	Cloth
Dust Cap Composition	Solid Composition Paper



BASSLITE® C2515

Recommended for bass guitar. Excellent in either sealed or vented enclosures.



* Please inquire about alternative impedances.

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

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

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 | 2 ft. X 2 ft. 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)

BassLite C2515 Larger Sealed 1x15 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 100 Watts; F3 of 72 Hz. Use a 20 Hz High Pass filter to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 2.82 cu.ft

V(total) = 2.82 cu.ft

Qtc = 0.707

QL = 16.34

F3 = 72.41 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 38 Hz

Qms = 4.7

Vas = 260 liters

Xmax = 4.445 mm

Sd = 856 sq.cm

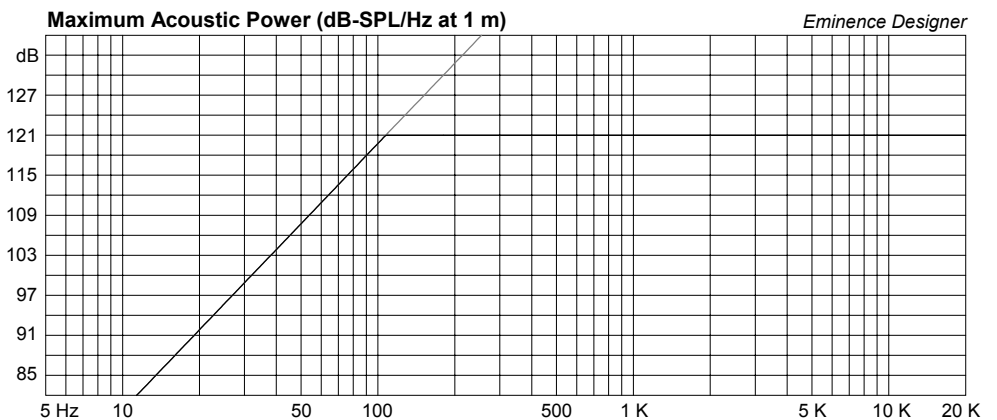
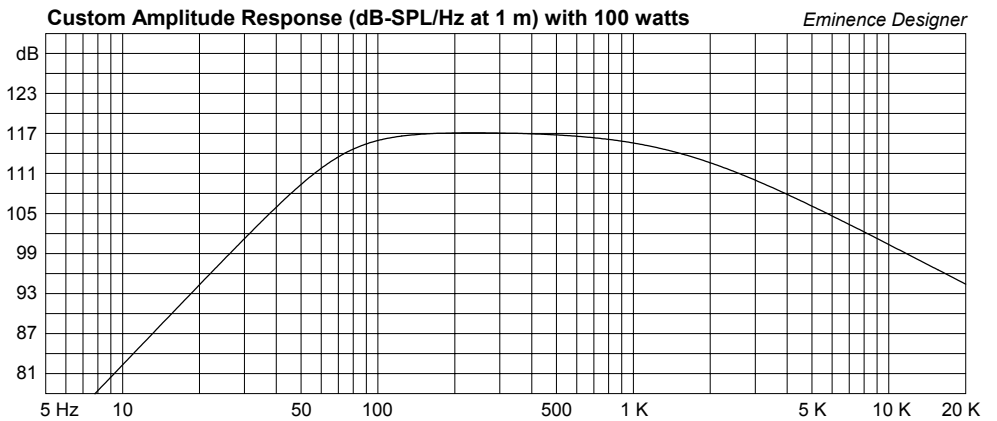
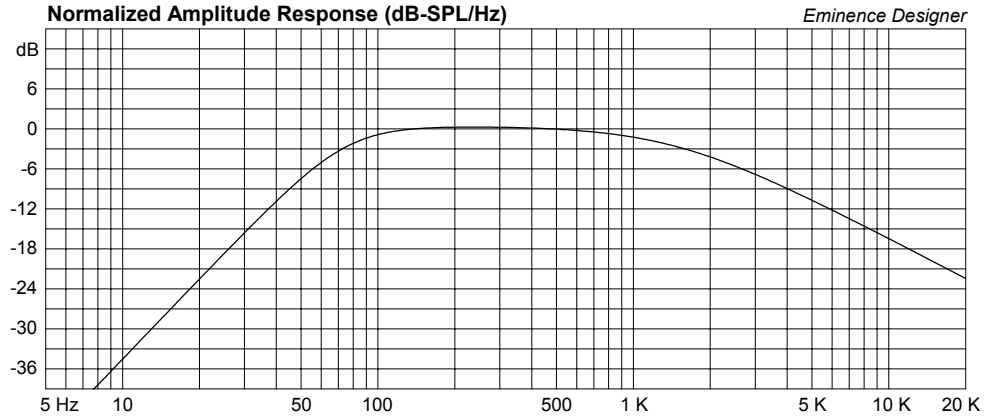
Qes = 0.5

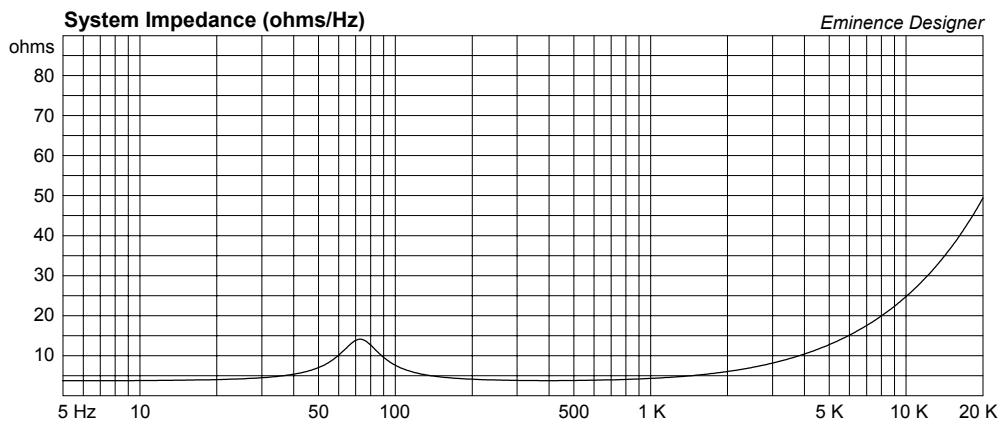
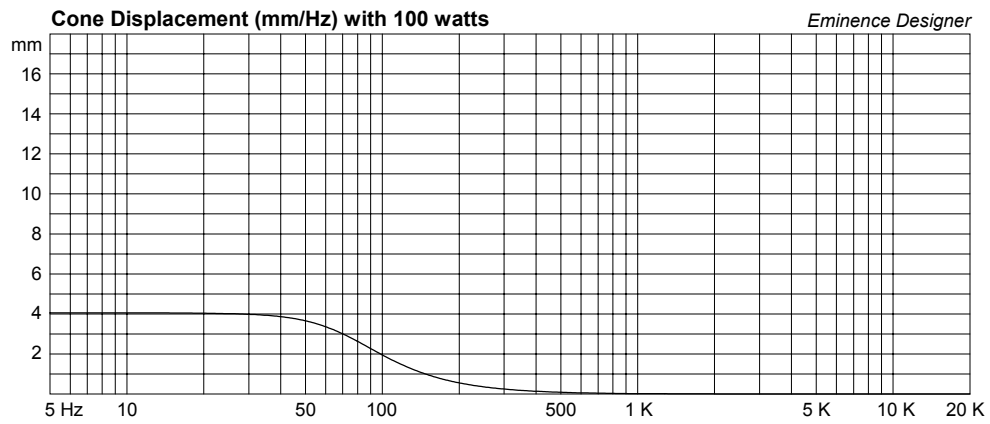
Re = 3.72 ohms

Le = 0.39 mH

Z = 4 ohms

Pe = 300 watts





BassLite C2515 Larger Vented Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 200 Watts; F3 of 52 Hz. Use a steep high pass filter set to 35 Hz to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 3.9 cu.ft

V(total) = 4.176 cu.ft

Fb = 48 Hz

QL = 7

F3 = 51.88 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 3.083 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 38 Hz

Qms = 4.7

Vas = 260 liters

Xmax = 4.445 mm

Sd = 856 sq.cm

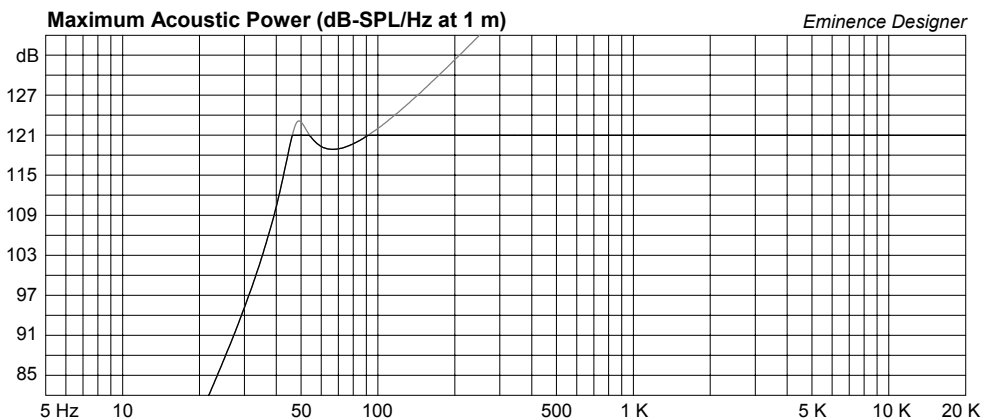
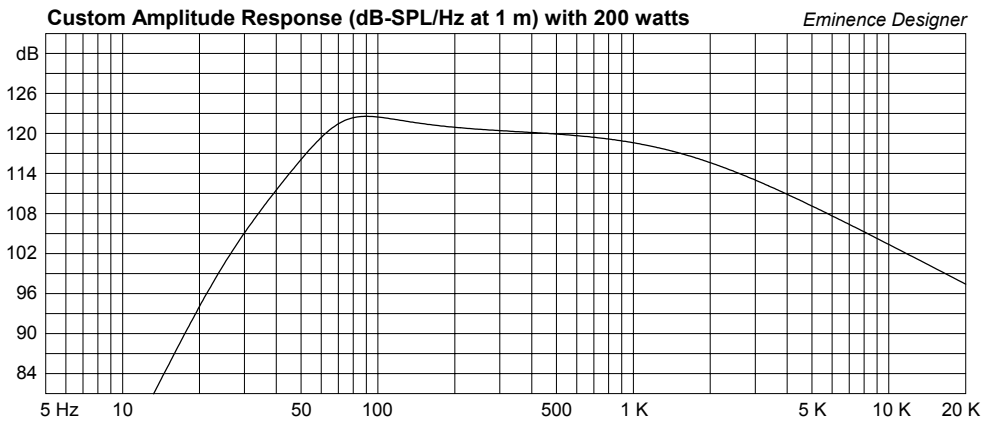
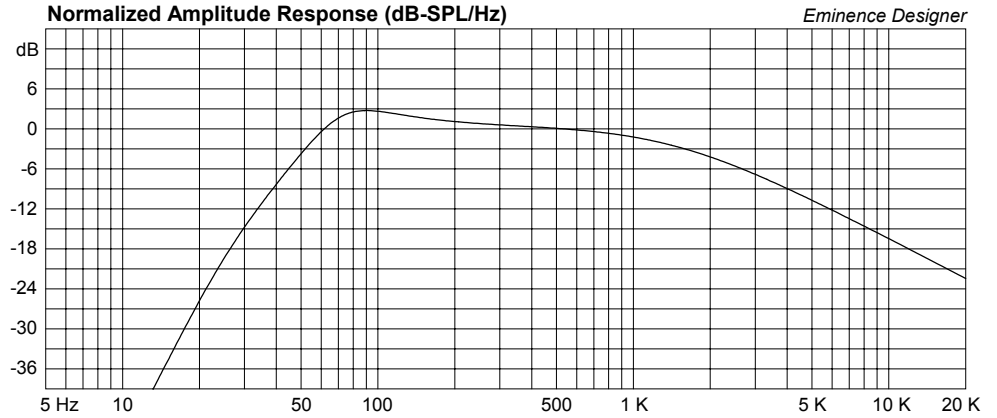
Qes = 0.5

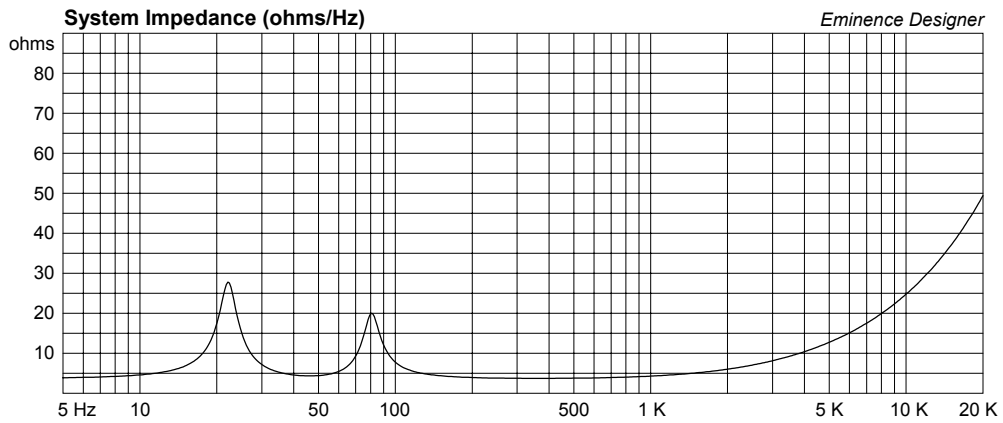
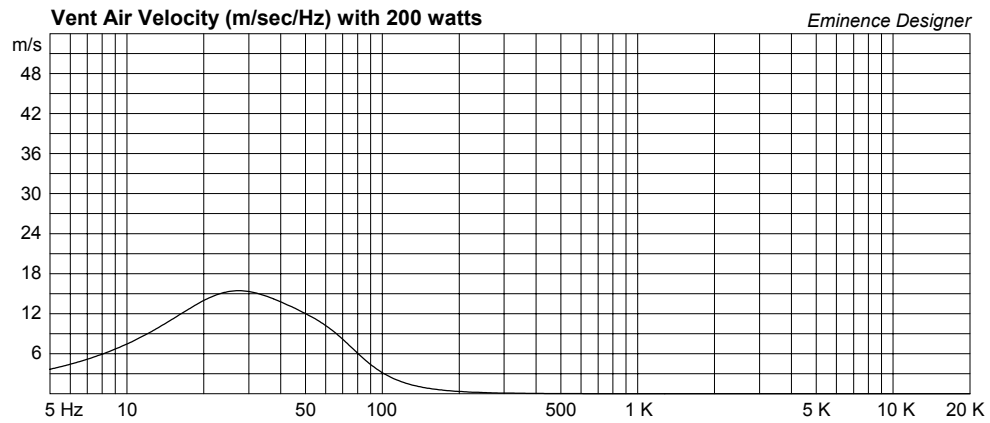
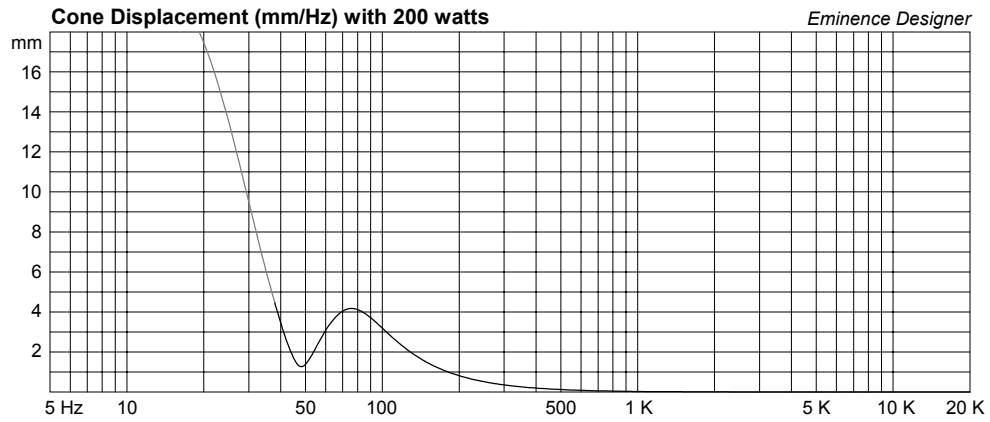
Re = 3.72 ohms

Le = 0.39 mH

Z = 4 ohms

Pe = 300 watts





BassLite C2515 Small Sealed 1x15 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 250 Watts; F3 of 78 Hz. Use a 20 Hz high pass filter to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Closed Box

Shape: Prism, square

--Box Parameters--

Vb = 1.61 cu.ft

V(total) = 1.61 cu.ft

Qtc = 0.847

QL = 18.63

F3 = 78.34 Hz

Fill = heavy

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 38 Hz

Qms = 4.7

Vas = 260 liters

Xmax = 4.445 mm

Sd = 856 sq.cm

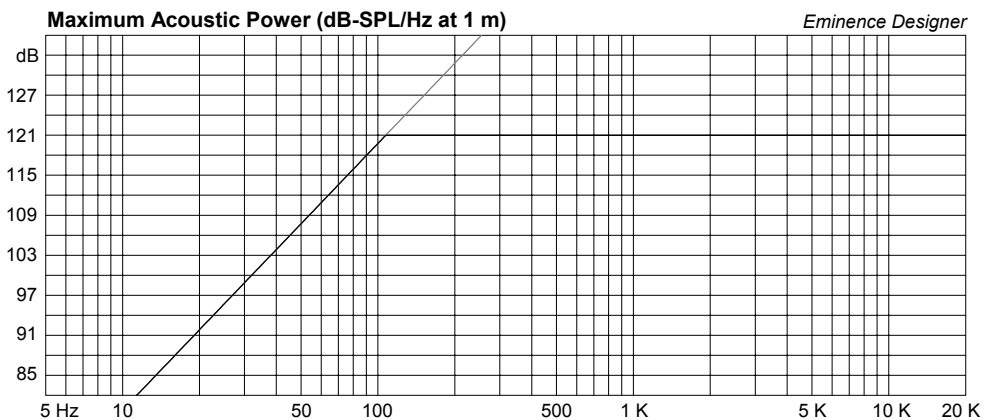
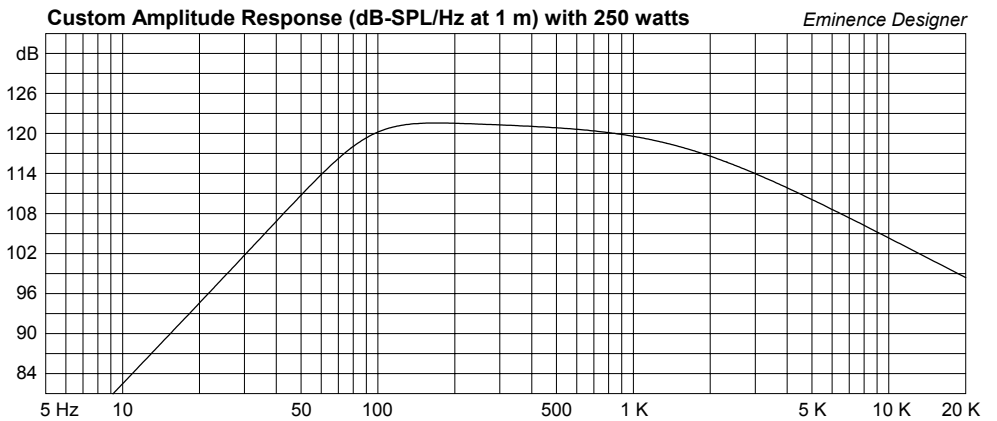
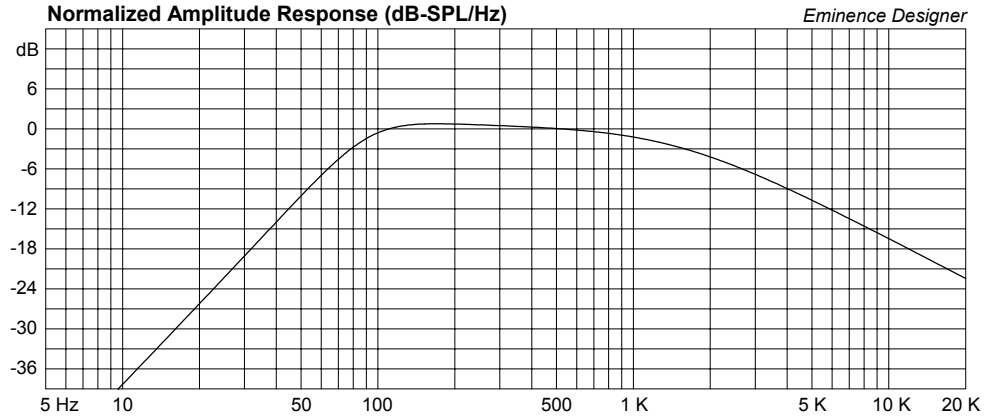
Qes = 0.5

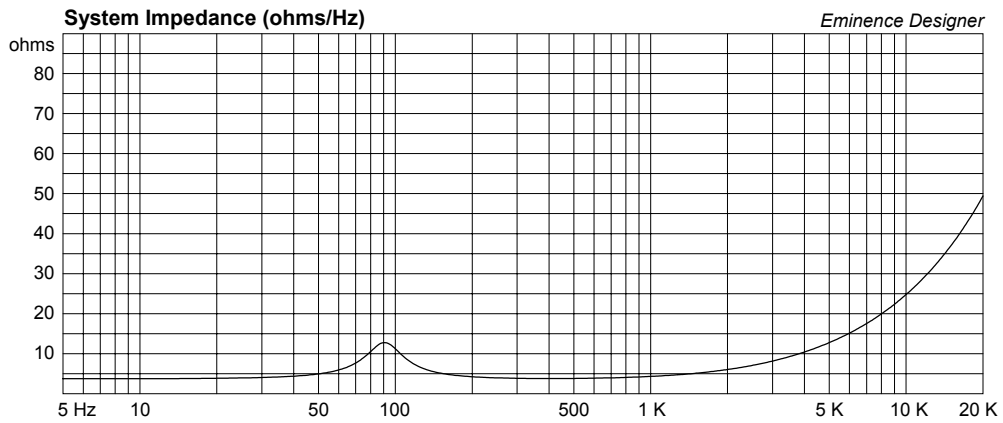
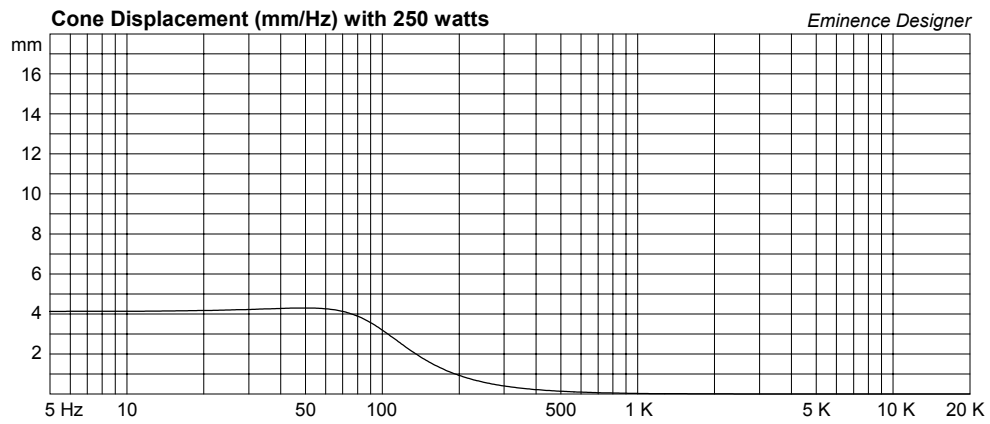
Re = 3.72 ohms

Le = 0.39 mH

Z = 4 ohms

Pe = 300 watts





BassLite C2515 Small Vented 1x15 Bass Guitar Cabinet

By Jerry McNutt, Eminence Speaker LLC

Displacement Limited to 275 Watts; F3 of 60 Hz. Use a high pass filter set to 35 Hz to protect woofer from overexcursion.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square

--Box Parameters--

Vb = 2.724 cu.ft

V(total) = 3.054 cu.ft

Fb = 48.32 Hz

QL = 7

F3 = 59.62 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 4 in

Lv = 6.318 in

Driver Properties

--Description--

Name:

Type: Standard one-way driver

--Configuration--

No. of Drivers = 1

--Driver Parameters--

Fs = 38 Hz

Qms = 4.7

Vas = 260 liters

Xmax = 4.445 mm

Sd = 856 sq.cm

Qes = 0.5

Re = 3.72 ohms

Le = 0.39 mH

Z = 4 ohms

Pe = 300 watts

