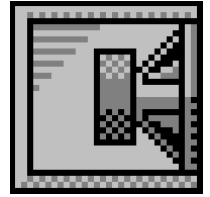


# Custom Passive Radiator Box Design

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## Box Properties

--Description--

Name:

Type: Passive Radiator Box

Shape: Prism, square

--Box Parameters--

Vb = 10 cu.ft

V(total) = 10.21 cu.ft

F3 = 43.89 Hz

Fill = normal

--Passive Radiators--

No. of Passive Radiators = 2

Fs = 4.2 Hz

Qms = 74

Vas = 1840 liters

Cms = 0.9 mm/N

Mms = 1600 g

Rms = 2 kg/s

Sd = 1200 sq.cm

## Driver Properties

--Description--

Name: AV-15\_X

Type: Standard one-way driver

Company: Lambda Acoustics Inc.

--Configuration--

**No. of Drivers = 1**

--Mechanical Parameters--

Fs = 24 Hz

Qms = 4.1

Vas = 197 liters

Cms = 0.22 mm/N

Mms = 200 g

Rms = 7.4 kg/s

Xmax = 23 mm

Xmech = 34.5 mm

P-Dia = 318 mm

Sd = 794 sq.cm

P-Vd = 1.826 liters

--Electrical Parameters--

Qes = 0.39

Re = 3.2 ohms

Le = 0.196 mH

Z = 4 ohms

BL = 15.6 Tm

Pe = 1000 watts

--Electromech. Parameters--

Qts = 0.36

no = 0.673 %

1-W SPL = 90.4 dB

2.83-V SPL = 94.3 dB



### Wiring Diagram

