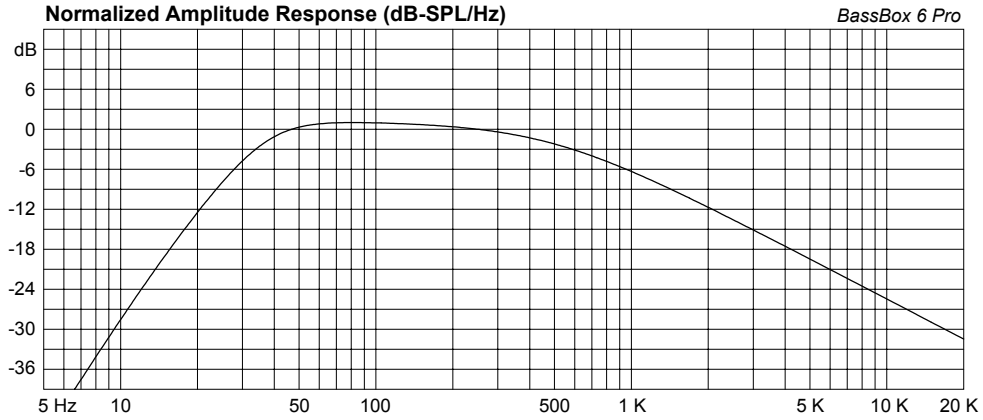
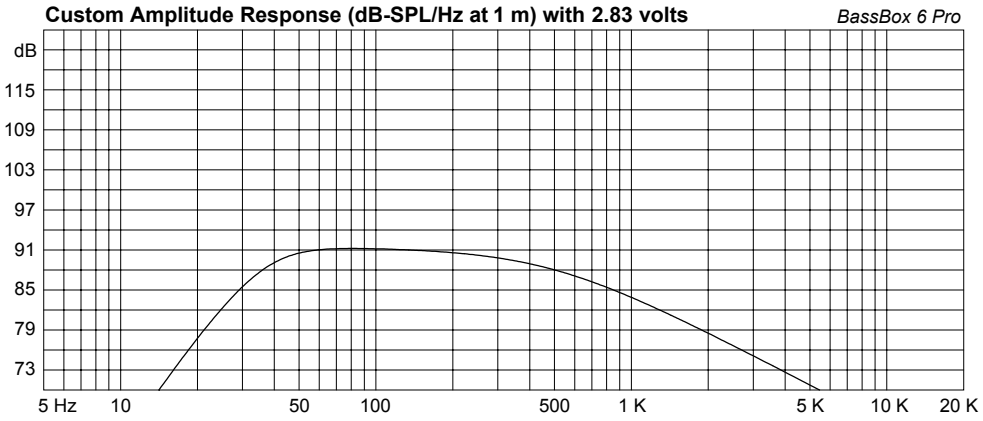
Box Properties

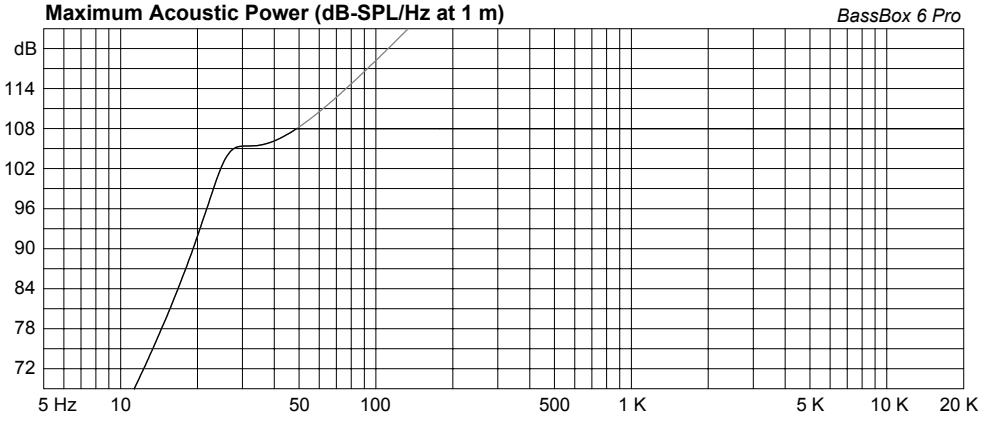
--Description--
Name:
Type: Vented Box
Shape: Prism, square (optimum)
--Box Parameters--
Vb = 1.92 cu.ft
V(total) = 2.034 cu.ft
Fb = 26.23 Hz
QL = 6.739
F3 = 33.77 Hz
Fill = heavy
--Vents--
No. of Vents = 1
Vent shape = round
Vent ends = one flush
Dv = 3 in
Lv = 10 in



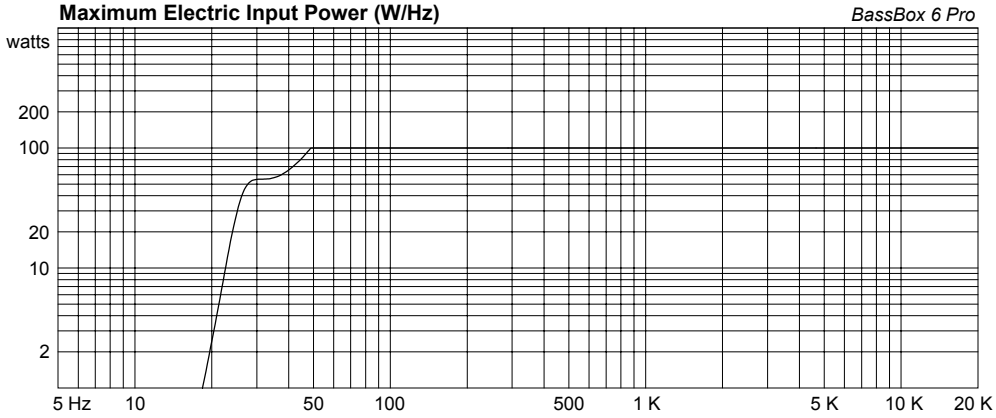
Driver Properties

--Description--
Name: W1038R
Type: Standard one-way driver
Company: Eclipse (Fujitsu Ten)
Piston: Black polypropylene cone
Suspension: Rubber surround
Voice Coil: Aluminum former, 50.8 mm
Magnet: 1077.0 g
--Configuration--
No. of Drivers = 1
--Mechanical Parameters--
Fs = 18.36 Hz
Qms = 4.694
Vas = 214.9 liters
Cms = 1.207 mm/N
Mms = 62.26 g
Xmax = 8 mm
Xmech = 12 mm
Sd = 354 sq.cm
--Electrical Parameters--
Qes = 0.341
Re = 4.7 ohms
Le = 1.4 mH
Z = 6 ohms
BL = 9.95 Tm
Pe = 100 watts
--Electromech. Parameters--
Qts = 0.318
1-W SPL = 88 dB
2.83-V SPL = 90.31 dB

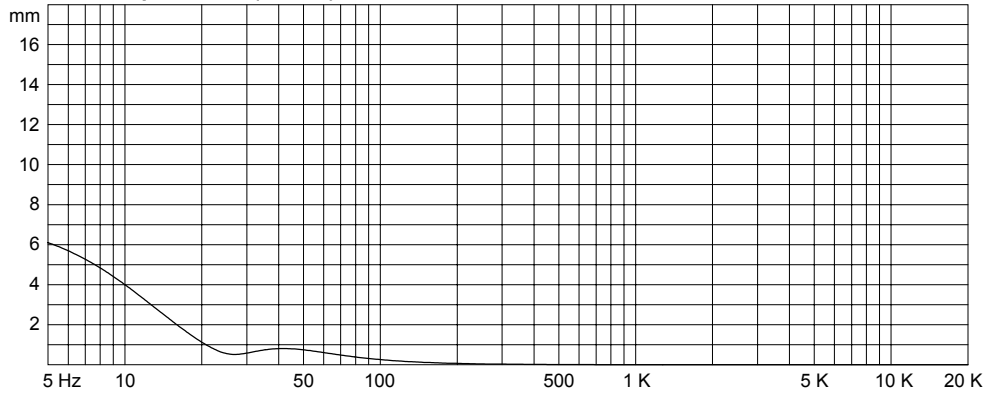




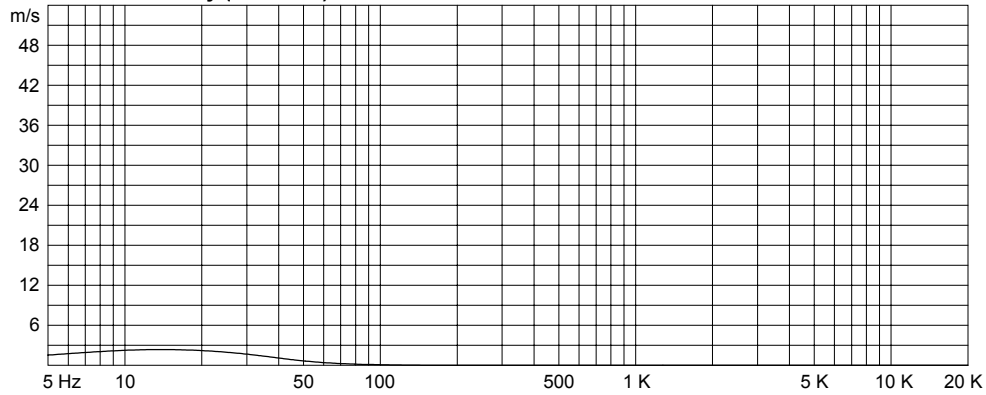
Maximum Electric Input Power (W/Hz) *BassBox 6 Pro*

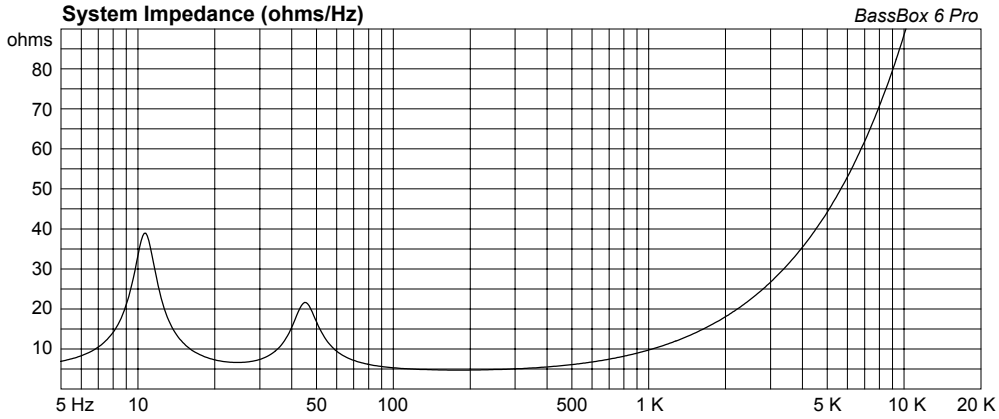


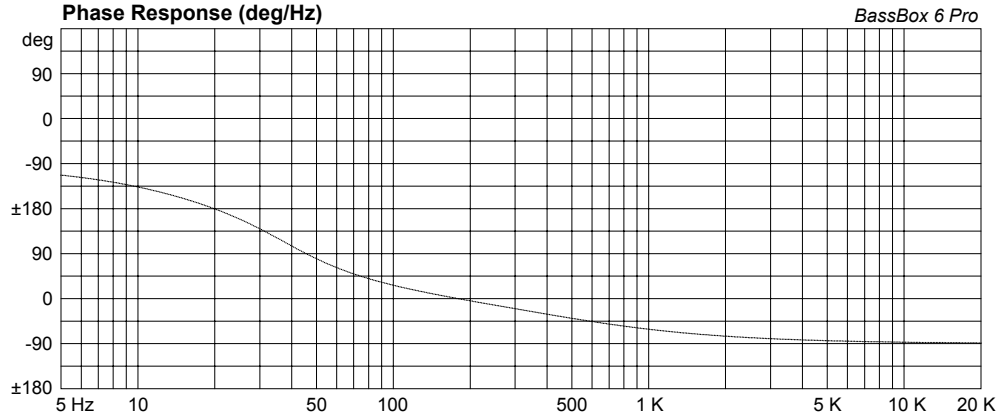
Cone Displacement (mm/Hz) with 2.83 volts *BassBox 6 Pro*

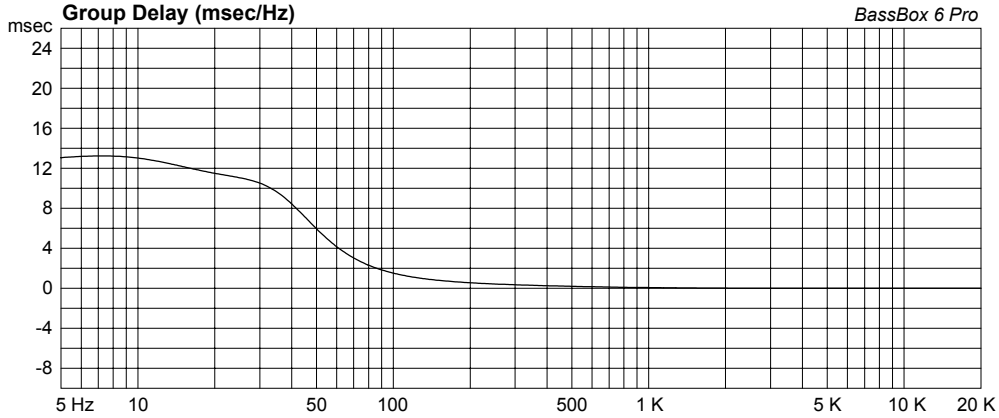


Vent Air Velocity (m/sec/Hz) with 2.83 volts *BassBox 6 Pro*




System Impedance (ohms/Hz)
BassBox 6 Pro
ohms
80
70
60
50
40
30
20
10
5 Hz
10
50
100
500
1 K
5 K
10 K
20 K


Phase Response (deg/Hz)
BassBox 6 Pro
deg
90
0
-90
±180
90
0
-90
±180
5 Hz
10
50
100
500
1 K
5 K
10 K
20 K


Group Delay (msec/Hz)
BassBox 6 Pro
msec
24
20
16
12
8
4
0
-4
-8
5 Hz
10
50
100
500
1 K
5 K
10 K
20 K