

5" MIDWOOFER PL14WJ09-08



MEASUREMENTS

DISPERSION PLOT:

Input: 2.83 V

Mic.: 1 m

On axis: Black

30 deg.: Green

60 deg.: Red

Impedance: Blue

320 l box mounted in infinite baffle.



CUMULATIVE SPECTRAL DECAY PLOT:

MLS impulse response.

Samp. freq.: 120 kHz

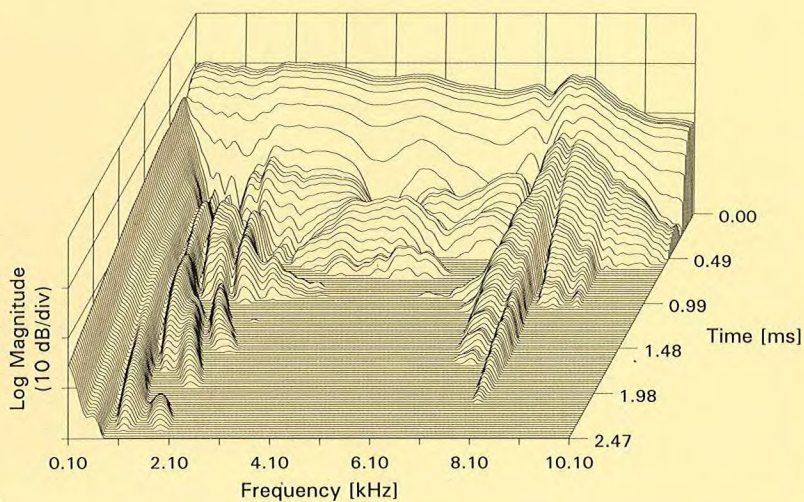
Time window: 5 ms.

Mic. distance: 0.15 m

Conditions: Box: 320 l

Infinite baffle.

Anechoic room 6x7x8 metres.
Hall space free-field above 100 Hz.
Brüel & Kjær 2012 Audio Analyzer.



BASS REFLEX SYNTHESIS

Moderate damping of box
No deliberate damping of port
Calculated with 0.5 Ω series resistance

	Vb	Fb	Dp	Lp
	[l]	[Hz]	[cm]	[cm]
1 ———	4.0	58	3.0	13.5
2 - - - - -	7.0	58	3.0	6.8
3 - - - - -	12.0	58	3.0	3.0

Vb: Box volume Dp: Port diameter
Fb: Tuning frequency Lp: Port length

