

Application Notes: XXLS Subwoofer 830844

Driver Highlights: Thick Nomex cone, 51 mm voice coil, ALP

Tuning with Passive radiators

Peerless offers specially designed 10" XLS passive radiators for this alignment.

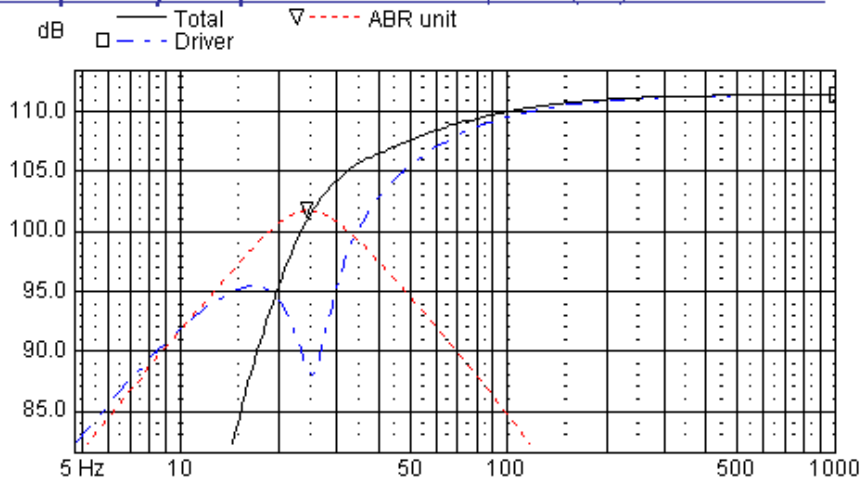
Type: 830548.

Specifications for XLS passive radiator: 830548

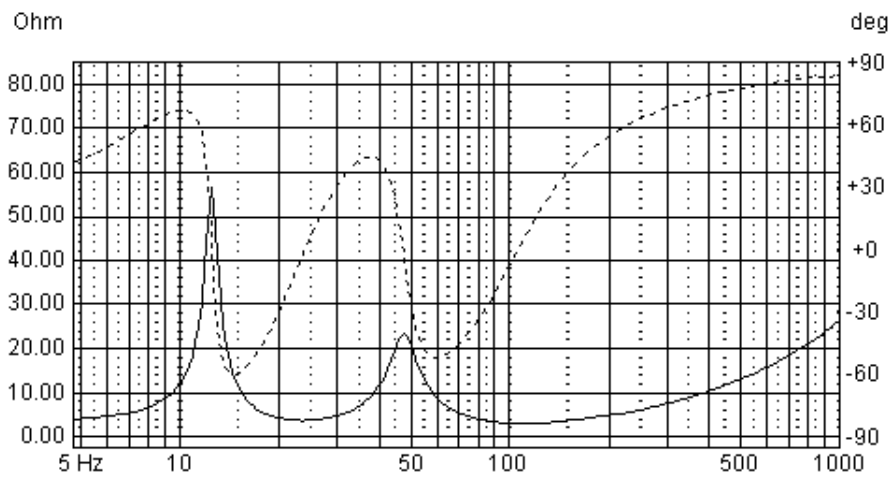
Resonance Frequency	fs	(Hz)	10.4
Mechanical Q factor	Qms		15.2
Equivalent volume	VAS	(ltrs)	169.6
Mechanical resistance	Rms	(Kg/s)	1.8
Moving mass	Mms	(g)	425
Suspension compliance	Cms	(mm/N)	0.55
Effective piston area	Sd	(cm ²)	466
Xmax Peak		mm	24

SYSTEM PROPERTIES		
Alignment	Passive Radiator	
DRIVE UNIT	830844	
Passive radiator	830548	
Box Volume	33	Ltr.
Number of passive rad.	1	Pcs.
f_{bass}	10.4	Hz
Fill	3	%
F_B	24.6	Hz

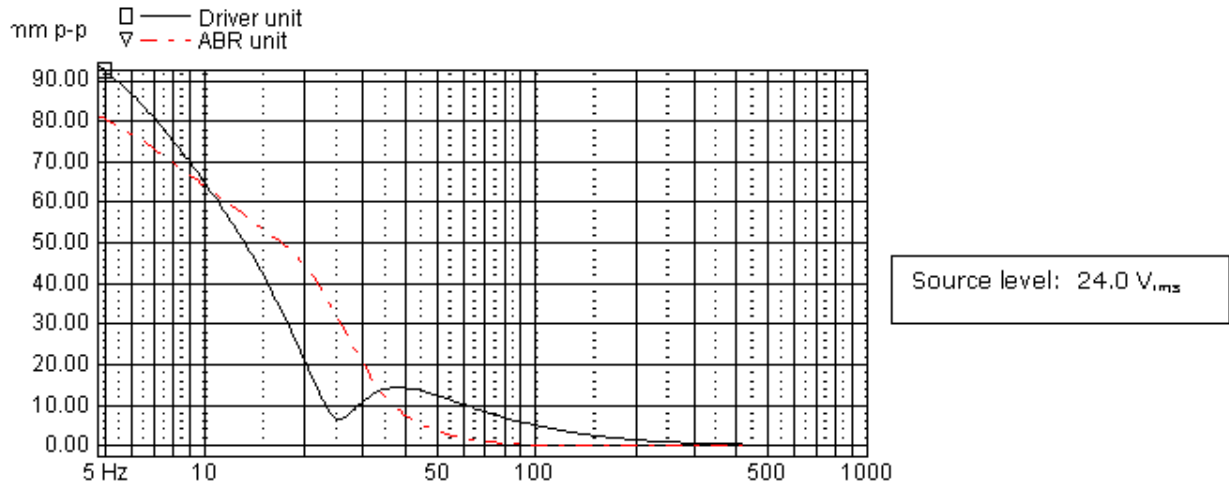
Frequency response : Half Space (2 π) 1m distance



Impedance



Excursion



Transient Response: Impulse

