

Tymphany LAT 250 Subwoofer

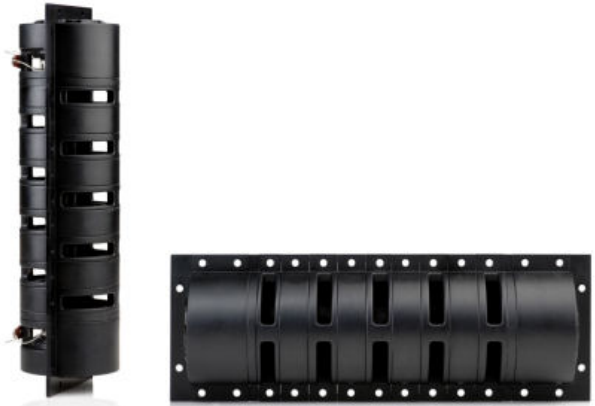


Type Number: LAT250PB600-04FF

Features:

The patented LAT 250 is designed to provide strong bass performance in a new vibration-free, cylindrical form factor. The driver may be configured for use in sealed, vented, bandpass or open-baffle enclosures, and provides high bass output from a very compact transducer. In typical applications, mechanical vibration is more than 90% lower than comparable loudspeakers, even at full output. The LAT 250 employs dual voice coils, and impedance configurations from 2 Ohm to 16 Ohm are available per customer requirements.

Paired with the Peerless Lifestyle driver, the Tymphany LAT, is an ideal solution for lifestyle consumer electronics products such as flat panel TVs and sound bars, MP3 and cell phone docking stations, multimedia PCs and other small devices.



Note: The nominal impedance is calculated with both coils driven in parallel.

Specs: Preliminary

Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	2.3	ohm
Maximum impedance	Zo	3.8	ohm
DC resistance	Re	1.8	ohm

T-S Parameters

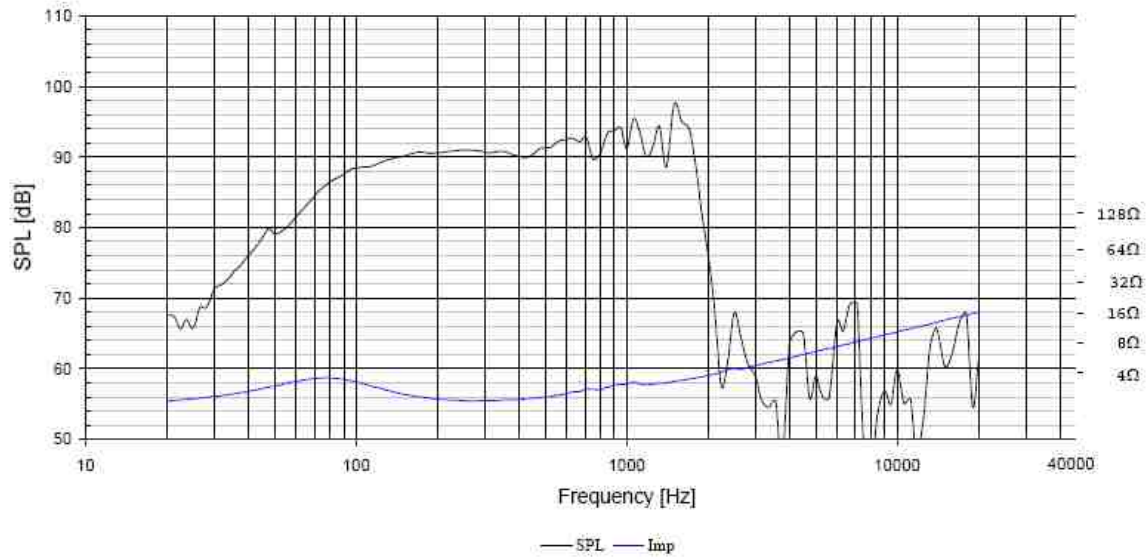
Resonance Frequency	fs	75	Hz
Mechanical Q factor	Qms	0.9	
Electrical Q factor	Qes	0.72	
Total Q factor	Qts	0.4	
Force factor	Bl	6.5	Tm
Mechanical resistance	Rms	18.2	Kg/s
Moving mass	Mms	34	g
Suspension compliance	Cms	0.13	mm/N
Effective cone diameter	D	15.8	cm
Effective piston area	Sd	204	cm ²
Equivalent volume	Vas	7.2	ltrs
Sensitivity (2.83V/1m)		90	dB
Sensitivity (1W/1m)		85.5	dB
Ratio BL/√(Re)		4.8	
Ratio fs/Qts	F	188	

Misc. Parameters

Effective Frequency range (IEC 21.2)	50-300	Hz
Frame dimensions	260x90	mm
Total Mass	845	grams
Frequency at ka=2	1518	Hz

Notes:
IEC specs refer to IEC 60268-5 third edition.
All Tymphany products are RoHS compliant.

Frequency: Preliminary



Mechanical Dimensions:

