

# XXLS 10" Automotive



Type Number: 830876

#### Features:

This new series of state-of-the-art subwoofers continue to enhance Peerless' reputation for delivering the highest quality components for bass in the world. Called the XXLS - for "Xpanded Extra Long Stroke" - these new audio transducers add even more excursion to the Peerless XLS line, and completely eliminate distortion.

See architecture notes for XXLS Platform

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

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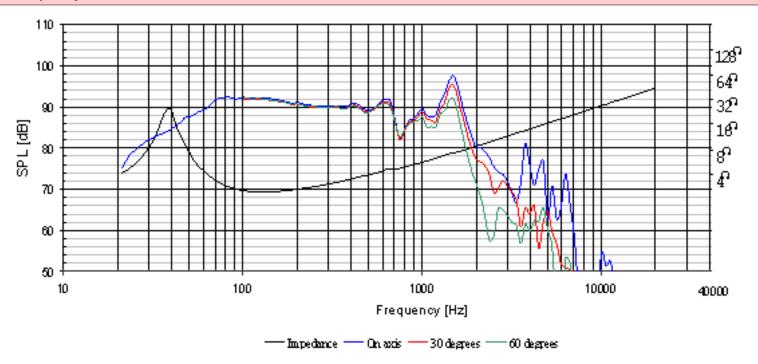




#### Specs:

Electrical Data				Power handling		
Nominal impedance	Zn	4	ohm	100h RMS noise test (IEC)		W
Minimum impedance	Zmin	2.2	ohm	Long-term Max Power (IEC 18.3)		W
Maximum impedance	Zo	26.5	ohm	Max linear SPL (rms) @ power		dB/W
DC resistance	Re	1.7	ohm	Short Term Max power (IEC 18.2)	-	W
Voice coil inductance	Le	1.5	mΗ	Voice Coil and Magnet Parameters		
Capacitor in series with x ohm	Сс		uF	Voice coil diameter	51	mm
	- I			Voice coil diameter  Voice coil height	33	mm
T-S Parameters	fs	39	Hz	Voice coil layers	4	.,,,,
Resonance Frequency			HZ		8	mm
Mechanical Q factor	Qms	6.79		Height of the gap		
Electrical Q factor	Qes	0.47		Linear excursion +/-	12.5	mm
Total Q factor	Qts	0.44		Max mech. excursion +/-		mm
Force factor	BI	10.4	Tm	Flux density of gap		mWb
Mechanical resistance	Rms	4.37	Kg/s	Total useful flux	2.4	mWb
Moving mass	Mms	121.1	g	Diameter of magnet	147	mm
Suspension compliance	Cms	0.14	mm/N	Height of magnet	35	mm
Effective cone diameter	D	21.2	cm	Weight of magnet	2.4	Kg
Effective piston area	Sd	352	cm <sup>2</sup>			
Equivalent volume	Vas	23.6	ltrs			
Sensitivity (2.83V/1m)		92.2	dB			
Ratio BL/√(Re)		7.9		Notes:		
Ratio fs/Qts	F	88		IEC specs refer to IEC 60268-5 third edition. All Tymphany products are RoHS compliant.		

## Frequency: 830876



### **Mechanical Dimensions:830876**

