



Peerless Data Sheet

SLS 213

213 SWR 39 115 THSX AL SLS 8 Ohm - Order ID: 830667

This model is optimised for use in closed box systems in sizes 15-25 Ltr. Extended response can be achieved in vented box systems in sizes of 25-35 Ltr.

The 25 mm long coil provides good linearity and control at large excursions.

The SLS family are designed especially to accommodate the need of drivers for subwoofers.

The basket is a low compression design with full ventilation under the spider. The basket has a low profile front and that do not need countersinking.

The low loss rubber surround and the suspensions are mechanically optimised to handle large excursions.

The magnet system with the extended back plate allow long cone movement, and finite Element Magnetic optimisation ensures that the magnet flux is used to maximum by controlling the shape of the steel. The magnet system has furthermore an aluminium shortening ring to reduce distortion.

The SLS cones are made of coated paper that provides good stiffness and damping in regard of backpressure from cabinets.

Costum versions are available.



Drawing - PDF file.

SWR 213

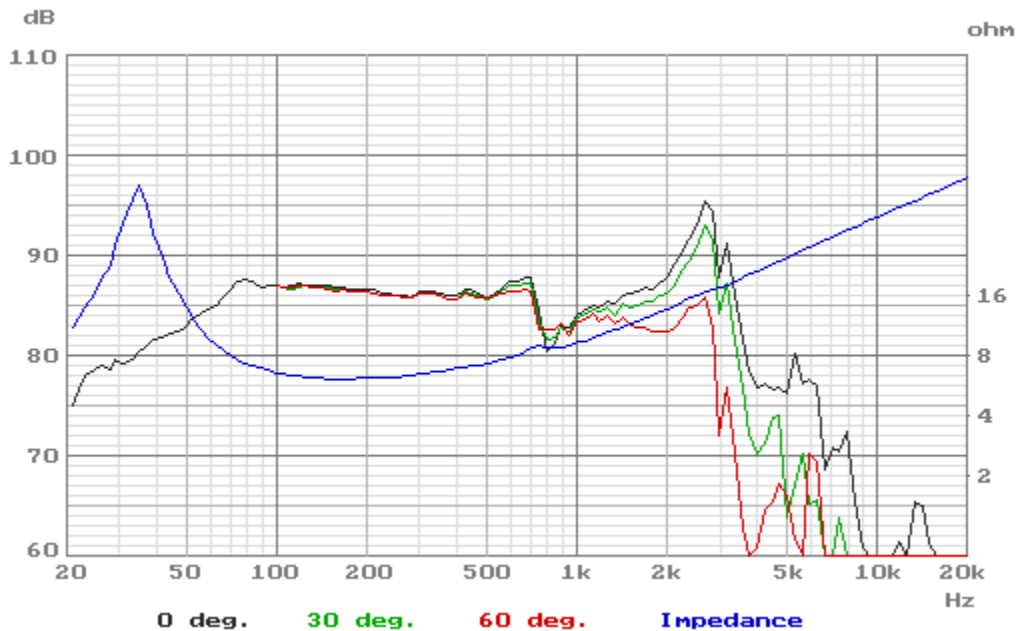
Thiele Small parameters:

Nominal impedance	Zn	(ohm)
Minimum impedance/at freq.	Zmin	(ohm/Hz)
Maximum impedance	Zo	(ohm)
DC resistance	Re	(ohm)
Voice coil inductance	Le	(mH)
Capacitor in series with 8 ohm (for impedance compensation)	Cc	(μF)
Resonance Frequency	fs	(Hz)
Mechanical Q factor	Qms	
Electrical Q factor	Qes	
Total Q factor	Qts	
F (Ratio fs/Qts)	F	(Hz)
Mechanical resistance	Rms	(Kg/s)
Moving mass	Mms	(g)
Suspension compliance	Cms	(mm/N)
Effective cone diameter	D	(cm)
Effective piston area	Sd	(cm ²)
Equivalent volume	VAS	(ltrs)
Force factor	Bl	(N/A)
Reference voltage sensitivity Re 2.83V 1m at 150 Hz (Measured)		(dB)

	Free air	Common	Baffled
		8	
		6.2/150	
		63.2	
		5.5	
		2.4	
		15	
	34.4		34.4
	5.84		5.85
	0.56		0.56
	0.51		0.51
			68
	32.4	1.20	32.5
		0.66	
		16.1	
		204	
		37.9	
		8.3	
			86.8

Magnet and voice coil parameters:

Voice coil diameter	d	(mm)	39
Voice coil length	h	(mm)	25
Voice coil layers	n		2
Flux density in gap	B	(T)	0.93
Total useful flux		(mWb)	1.35
Height of the gap	hg	(mm)	8
Diameter of magnet	dm	(mm)	115
Height of magnet	hm	(mm)	22
Weight of magnet		(kg)	0.87



Measuring methods and conditions are stated in Peerless Standard for Acoustic Measurements (PSAM)