Model Number: SDS-P830878
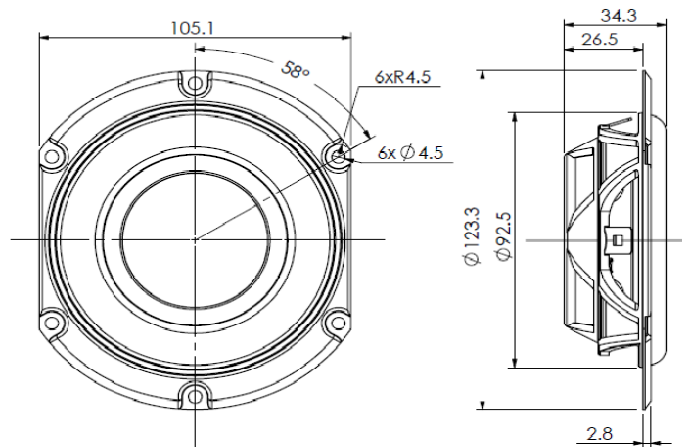**Product Line:** Peerless Silver

Peerless

Product Description:

The SDS compact subwoofer family offers low resonant frequency performance, ideally suited for compact sealed enclosures. This 4 inch member of the SDS family is a passive radiator, designed to match up with SDS subwoofers, and features a coated paper cone with rubber surround, and a narrow-profile steel basket shaped to fit into narrow cabinets.

Mechanical 2D Drawing:

Specifications:

DC Resistance	R_{evc}	Ω	N/A		Energy Bandwidth Product	EBP	$(1/Q_{es})\cdot f_s$	N/A
Minimum Impedance	Z_{min}	Ω	N/A		Moving Mass	M_{ms}	g	38.5
Voice Coil Inductance	L_e	mH	N/A		Suspension Compliance	C_{ms}	um/N	791
Resonant Frequency	f_s	Hz	29		Effective Cone Diameter	D	cm	8.00
Mechanical Q Factor	Q_{ms}	-	N/A		Effective Piston Area	S_D	cm^2	50.2
Electrical Q Factor	Q_{es}	-	N/A		Equivalent Volume	V_{as}	L	N/A
Total Q Factor	Q_{ts}	-	N/A		Motor Force Factor	BL	T·m	N/A
Ratio f_s / Q_{ts}	F	f_s / Q_{ts}	N/A		Motor Efficiency Factor	β	$(T \cdot m^2)/Ω$	N/A
Half Space Sensitivity @ 2.83V	dB@2.83V/1m	dB	N/A +/-1.0 [1]		Voice Coil Former Material	VC_{fm}	-	N/A
Sensitivity @ 1W/1m	1W/1m	dB	N/A +/-1.0 [1]		Voice Coil Inner Diameter	VC_d	mm	N/A
					Gap Height	Gh	mm	N/A
Rated Noise Power (IEC 2685 18.1)	P	W	N/A		Maximum Linear Excursion	X_{max}	mm	N/A
Test Spectrum Bandwidth	N/A		N/A		Ferrofluid Type	FF		N/A
					Transducer Size	-	inch	4
					Transducer Mass	-	Kg	0.096

1 - Piston Band Sensitivity Tolerance

Frequency and Impedance Response:

F088-0713A