Driver Specification Sheet

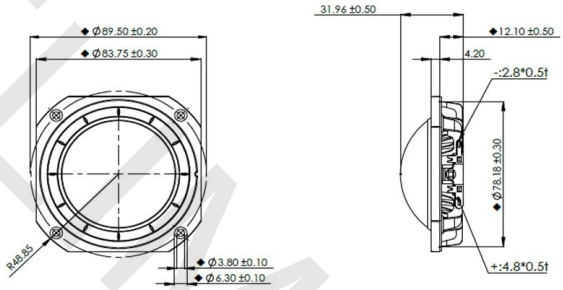
Peerless by TYMPHANY

Model No: GBS-85N25PR03-04
Rev: 2
Product Line: Peerless
Last Update: 2016-06-07 02:22:35

Product Description

This 3.5 inch 4ohm tansducer member of the GBS family provides a very slim woofer capable of large excursion. A highly optimized Neo magnets and unique suspension layout combine to give a cost effective solution in a previously unavailable package.

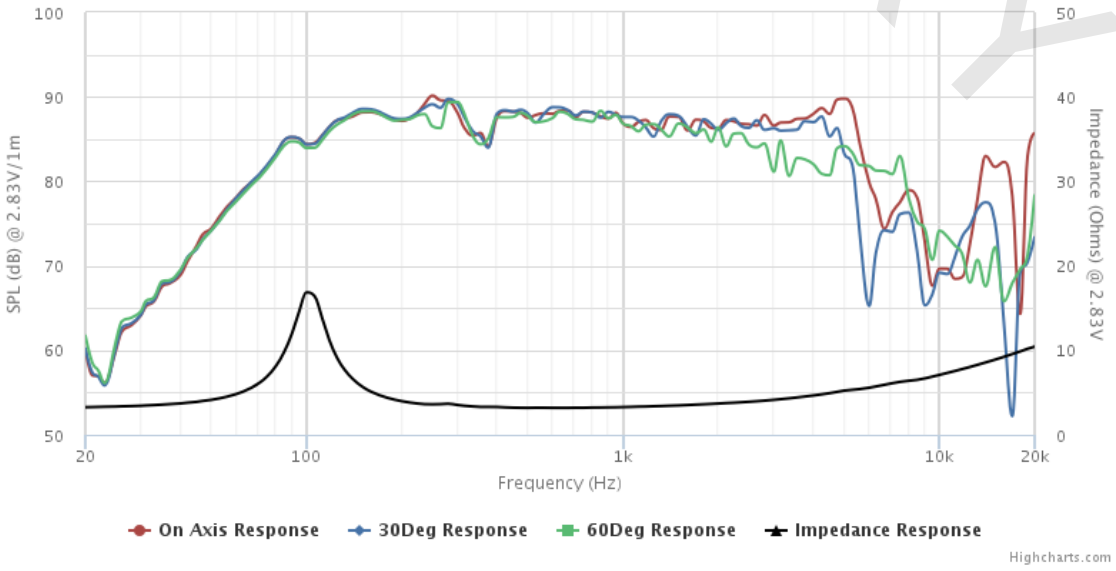
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.2	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	3.19	7.5%	Moving Mass	Mms	g	3.8
Voice Coil Inductance	Le	mH	0.07		Suspension Compliance	Cms	um/N	518.4
Resonant Frequency	Fs	Hz	113.45	15%	Effective Cone diameter	D	cm	6.7
Mechanical Q Factor	Qms		5.09		Effective Piston Area	Sd	cm^2	35.3
Electrical Q Factor	Qes	0.93			Effective Volume	Vas	L	0.91
Total Q Factor	Qts		0.79		Motor Force Factor	BL	Tm	3.05
Ratio Fs/Qts	F	Fs/Qts	143.97		Motor Efficiency Factor	ß	(T*M^2)/Ohms	2.9
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	88.07	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	84.1	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.73
Gap Height	Gh	mm	3		Rated Noise Power	P	W	15
Maximum Linear Excursion	Xmax	mm	2.1		Test Spectrum Bandwidth	40Hz - 3KHz		
Ferrofluid Type	FF		Na		Driver Size	Inch	3.5 in	
Driver Mass	Kg	0.13						

Frequency and Impedance Response



PRELIMINARY

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