

Model No.: GBS-115N25AL01-04
Product Line: Tymphany

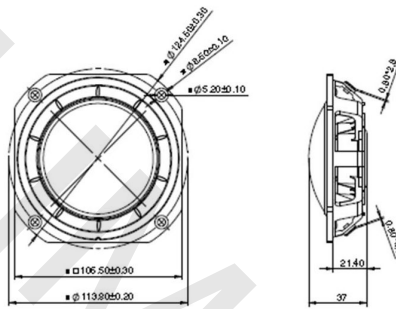
Rev: 1
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Product Description

This 4.5 inch 4 ohm transducer member of the GBS family provides a very slim woofer capable of large excursion. An anodized Al cone helps to extends the piston bands in the working range. A highly optimized NdFeB and unique suspension layout combine to give a cost effective solution in a previously unavailable package.



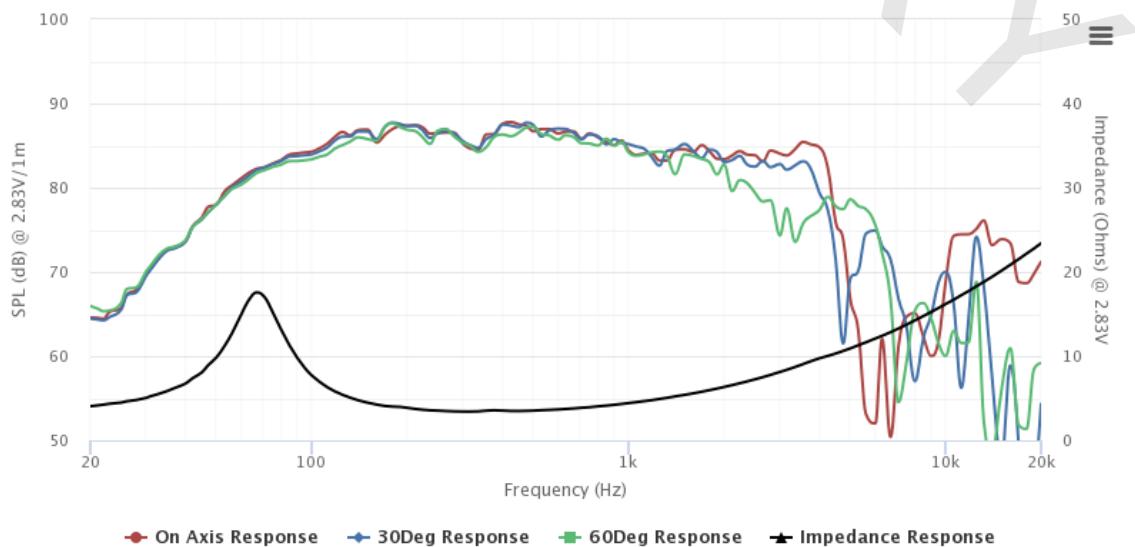
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	4.5	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs
Minimum Impedance	Zmin	Ohms	3.42	7.5%	Moving Mass	Mms	g
Voice Coil Inductance	Le	mH	0.17		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	80.82	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		3.1		Effective Piston Area	Sd	cm^2
Electrical Q Factor	Qes		0.69		Effective Volume	Vas	L
Total Q Factor	Qts		0.57		Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	142.78		Motor Efficiency Factor	β	(T*M^2)/Ohms
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	85.45	+/- 1.0db	Voice coil former Material	VCfm	AL
Half Space Sensitivity @1W/1M	db@1W/1M	dB	81.8	+/- 1.0db	Voice coil inner diameter	VCd	mm
Gap Height	Gh	mm	5		Rated Noise Power	P	W
Maximum Linear Excursion	Xmax	mm	3.2		Test Spectrum Bandwidth		50-4.5K
Ferrofluid Type	FF				Driver Size	Inch	4.5 in
Driver Mass	Kg		0.22				

Frequency and Impedance Response



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