

Model No.: GBS-135F25AL02-04

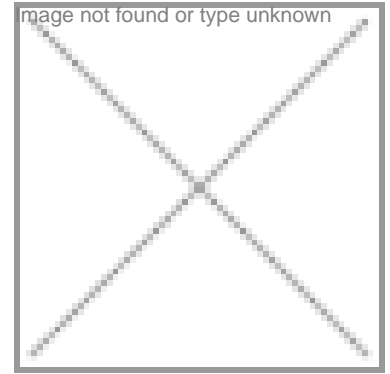
Rev: 1

Product Line: Tymphany

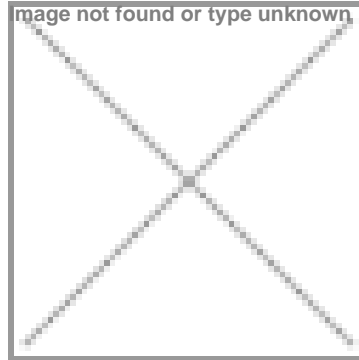
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Product Description

This 5.25 inch 4 ohm tansducer 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 ferrite magnet and unique suspension layout combine to give a cost effective solution in a previously unavailable package.



Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.28	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	3.88	7.5%	Moving Mass	Mms	g	12.3
Voice Coil Inductance	Le	mH	0.21		Suspension Compliance	Cms	um/N	519.1
Resonant Frequency	Fs	Hz	62.97	15%	Effective Cone diameter	D	cm	10.45
Mechanical Q Factor	Qms		4.12		Effective Piston Area	Sd	cm^2	85.7
Electrical Q Factor	Qes	0.66			Effective Volume	Vas	L	5.35
Total Q Factor	Qts		0.57		Motor Force Factor	BL	Tm	4.91
Ratio Fs/Qts	F	Fs/Qts	110.47		Motor Efficiency Factor	β	(T*M^2)/Ohms	7.4
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	88.45	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	85.3	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.5
Gap Height	Gh	mm	6		Rated Noise Power	P	W	35
Maximum Linear Excursion	Xmax	mm	3.3		Test Spectrum Bandwidth		50Hz-20kHz	
Ferrofluid Type	FF				Driver Size	Inch	5.25 in	
Driver Mass	Kg		0.8					

Frequency and Impedance Response

