

Model No: BMR85DD NA4Y
Product Line: Tymphany

Rev: 1
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Product Description

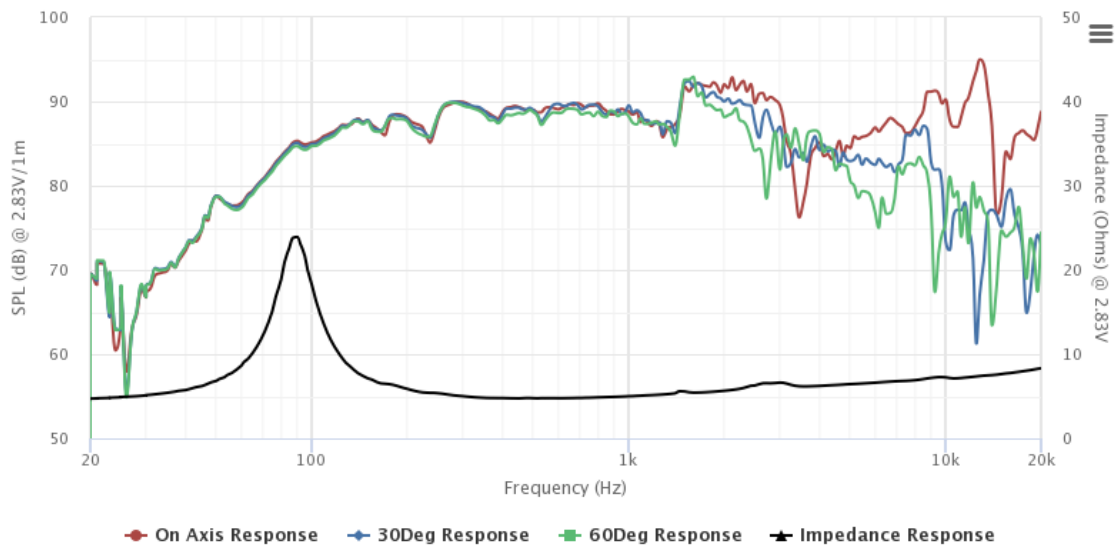
This 4ohm,4.5inch full range transducer is a member of the new BMR family. This driver features a powerful neodymium magnet , nestled within an innovative suspension system. The motor contains a copper cap to lower inductance and distortion. The flat cone is honeycomb paper material, with rubber surround, with plastic basket. Is designed to be a high performance full range driver. This family driver is used for shallow applications such as television soundbars and compact music system.



Specifications

DC Resistance	Revc	Ohms	3.85	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs
Minimum Impedance	Zmin	Ohms	4.75	7.5%	Moving Mass	Mms	g
Voice Coil Inductance	Le	mH	0.02		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	97.77	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		3.96		Effective Piston Area	Sd	cm^2
Electrical Q Factor	Qes	0.79			Effective Volume	Vas	L
Total Q Factor	Qts	0.66			Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	147.91		Motor Efficiency Factor	β	(T*M^2)/Ohms
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	89.25	+/- 1.0db	Voice coil former Material	VCfm	ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	87	+/- 1.0db	Voice coil inner diameter	VCd	mm
Gap Height	Gh	mm	4		Rated Noise Power	P	W
Maximum Linear Excursion	Xmax	mm	0.7		Test Spectrum Bandwidth		20Hz-12KHz
Ferrofluid Type	FF				Driver Size	Inch	4 in
Driver Mass	Kg	0.22					

Frequency and Impedance Response



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