

# Specification Sheet

Model # SMB-50



## MISCO®

### Key Features:

- 5.2" (134mm), 4 ohm
- Mid Bass, 50 watts
- Ferrite magnet, black talc filled polypropylene cone with NBR rubber surround;

## Product Specifications & Parameters

### Primary Specifications

Speakers Environment	Indoor
RoHS Compliant	No

### Technical Specifications

		Units of Measure
Nominal Basket Diameter	5.2	inch
	134.0	mm
Rated Impedance	4	ohms
Rated Power	50.0	Watts
Program Power	100	Watts
Frequency Range	80 - 20000	Hz
Sensitivity (2.83 V input measured at 1 Meter)	86	dB SPL
Voice Coil Diameter	1.0 / 25.4	inch / mm
Magnet Weight	12.0 / 341	oz / gr
Transformer		

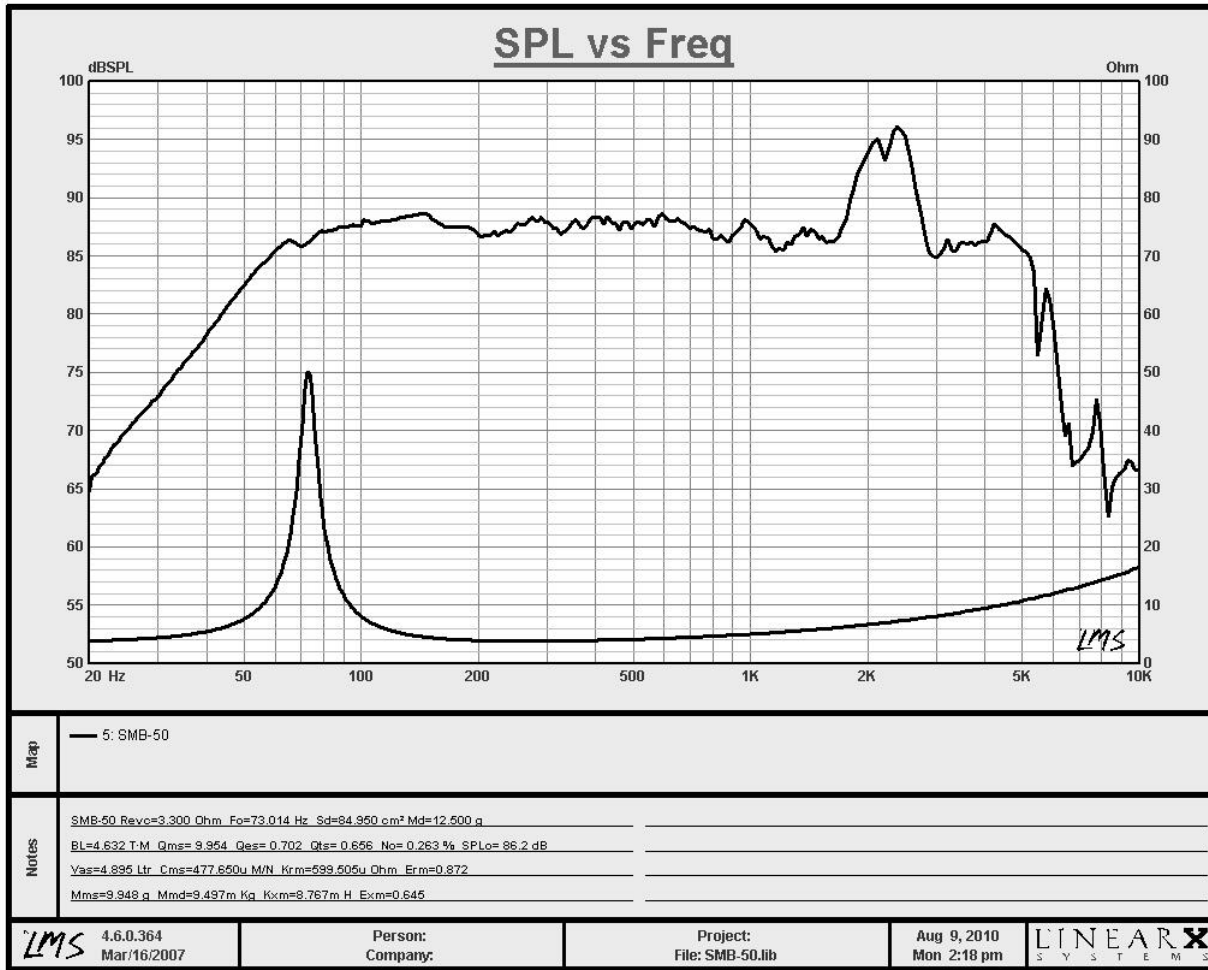
### Small Signal Parameters

		Units of Measure
Resonant Frequency (fo)	85	Hz
D.C. Resistance (Re)	3.4	ohms
Mechanical Q (Qms)	10.0	
Electrical Q (Qes)	0.7	
Total Q (Qts)	0.66	
Compliance Equivalent Volume (Vas)	4.9	ltr
BL Product (BL)	4.6	T-M
Maximum Linear Excursion (Xmax)	4.4	mm
Surface Area of Cone (Sd)	85.0	cm <sup>2</sup>
Moving Mass (Mmd)		g

### Material Descriptions

Basket	Stamped Steel
Terminal Size	0.25 X 0.04/ 0.19 X 0.02
Magnet	Ferrite
Voice Coil Wire	Copper
Voice Coil Form	Kapton
Cone	Black Talc Filled Polypropylene
Cone Edge	NBR Rubber
Dust Cap	Plastic

# Sensitivity / Frequency



# Drawing

ID	Description	Measurements	Tolerance
Od	Outside Diameter	5.3 in.	+/- 0.020"
CD	Cutout Diameter	4.6 in.	+/- 0.020"
MG	Magnet Diameter	3.4 in.	+/- 0.050"
HD	Hole Diameter	0.4 in.	+/- 0.010"
MD	Mounting Diameter	5.3 in.	+/- 0.010"
ID	Internal Depth	2.3 in.	+/- 0.025"
FT	Flange Thickness	0.14 in.	+/- 0.050"
NW	Net Weight	971.0 g	

