

Specification Sheet

Model # 82052



MISCO®

Key Features:

- 25 watt, 5.25" mid-woofer
- 8 ohm edge wound coil with aluminum form
- 20 oz ferrite with a neodymium focusing magnet
- Mica filled polypropylene cone
- Copper shorting cap for inductance control

Product Specifications & Parameters

Primary Specifications

Speakers Environment	Indoor
RoHS Compliant	Yes

Technical Specifications

		Units of Measure
Nominal Basket Diameter	5.25	inch
	133.35	mm
Rated Impedance	8	ohms
Rated Power	25.0	Watts
Program Power	50	Watts
Frequency Range	40-10,000	Hz
Sensitivity (2.83 V input measured at 1 Meter)	86	dB SPL
Voice Coil Diameter	1.0 / 25.4	inch / mm
Magnet Weight	20.0 / 567	oz / gr
Transformer		

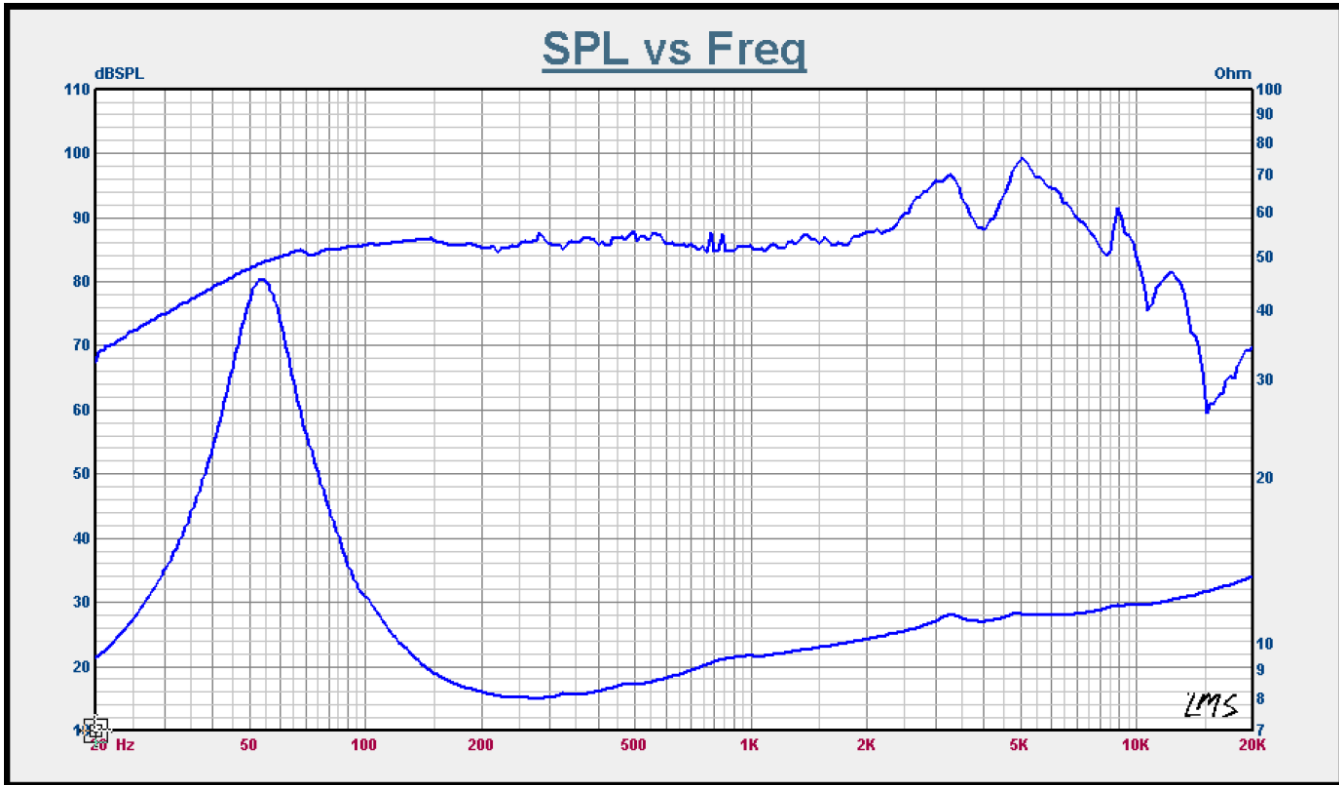
Small Signal Parameters

		Units of Measure
Resonant Frequency (fo)	49	Hz
D.C. Resistance (Re)	6.94	ohms
Mechanical Q (Qms)	2.44	
Electrical Q (Qes)	0.47	
Total Q (Qts)	0.4	
Compliance Equivalent Volume (Vas)	12.44	ltr
BL Product (BL)	6.4	T-M
Maximum Linear Excursion (Xmax)	4.9	mm
Surface Area of Cone (Sd)	86.6	cm ²
Moving Mass (Mmd)	8.22	g

Material Descriptions

Basket	Cast Aluminum
Terminal Size	0.250" x 0.032" & 0.187" x 0.020"
Magnet	20 oz Ferrite
Voice Coil Wire	Copper
Voice Coil Form	Aluminum
Cone	Mica Filled Black Polypropylene
Cone Edge	Black Rubber
Dust Cap	Pre Treated Cloth

Sensitivity / Frequency



Drawing

ID	Description	Measurements	Tolerance
Od	Outside Diameter	5.5 in.	+/- 0.020"
CD	Cutout Diameter	4.8 in.	+/- 0.020"
MG	Magnet Diameter	3.4 in.	+/- 0.050"
HD	Hole Diameter	0.18 in.	+/- 0.010"
MD	Mounting Diameter	5.53 in.	+/- 0.010"
ID	Internal Depth	2.8 in.	+/- 0.025"
FT	Flange Thickness	0.25 in.	+/- 0.050"
NW	Net Weight	1247.0 g	

