

Specification Sheet

Model # 90ON08-1



MISCO®

Key Features:

- 2 X 3.5" (50 x 90 mm), 8 ohm
- Full Range, 7.5 watts
- Neodymium magnet
- paper cone with cloth surround, RoHS Compliant;

Product Specifications & Parameters

Primary Specifications

Speakers Environment	Indoor
RoHS Compliant	Yes

Technical Specifications

		Units of Measure
Nominal Basket Diameter	2.0 x 3.5	inch
	50.0 x 90.0	mm
Rated Impedance	8	ohms
Rated Power	7.0	Watts
Program Power	15	Watts
Frequency Range	280 - 20000	Hz
Sensitivity (2.83 V input measured at 1 Meter)	88	dB SPL
Voice Coil Diameter	0.8 / 20.3	inch / mm
Magnet Weight	0.5 / 14	oz / gr
Transformer		

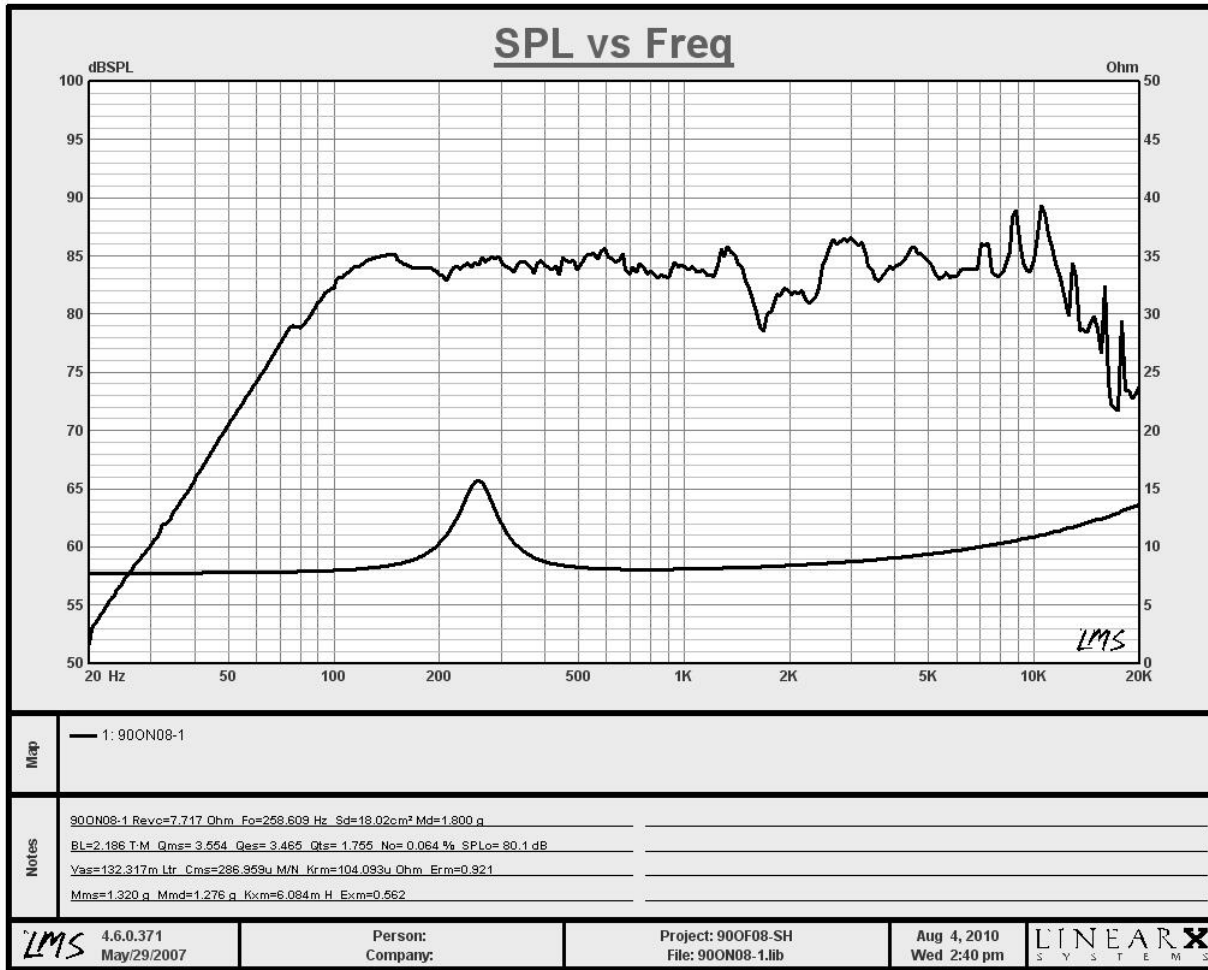
Small Signal Parameters

		Units of Measure
Resonant Frequency (fo)	280	Hz
D.C. Resistance (Re)	7.8	ohms
Mechanical Q (Qms)	3.8	
Electrical Q (Qes)	3.75	
Total Q (Qts)	1.9	
Compliance Equivalent Volume (Vas)	0.1	ltr
BL Product (BL)	2.2	T-M
Maximum Linear Excursion (Xmax)	1.0	mm
Surface Area of Cone (Sd)	18.0	cm ²
Moving Mass (Mmd)		g

Material Descriptions

Basket	Stamped Steel
Terminal Size	0.110 X 0.02 / 0.205 X 0.02
Magnet	Neodymium
Voice Coil Wire	Copper
Voice Coil Form	Paper
Cone	Paper
Cone Edge	Cloth
Dust Cap	Paper

Sensitivity / Frequency



Drawing

ID	Description	Measurements	Tolerance
Od	Outside Diameter	3.5 in.	+/- 0.020"
CD	Cutout Diameter	3.3 in.	+/- 0.020"
MG	Magnet Diameter	1.1 in.	+/- 0.050"
HD	Hole Diameter	0.24 in.	+/- 0.010"
MD	Mounting Diameter	1.6 in.	+/- 0.010"
ID	Internal Depth	1.24 in.	+/- 0.025"
FT	Flange Thickness	0.1 in.	+/- 0.050"
NW	Net Weight	100.0 g	

