

Specification Sheet

Model # 50RN04-1



MISCO®

Key Features:

- 2" (50mm), 4 ohm
- Full Range, 5 watts
- Neodymium magnet, paper cone with pre-treated black 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	inch
	50.0	mm
Rated Impedance	4	ohms
Rated Power	5.0	Watts
Program Power	10	Watts
Frequency Range	220 - 20000	Hz
Sensitivity (2.83 V input measured at 1 Meter)	86	dB SPL
Voice Coil Diameter	0.6 / 15.2	inch / mm
Magnet Weight	1.8 / 50	oz / gr
Transformer		

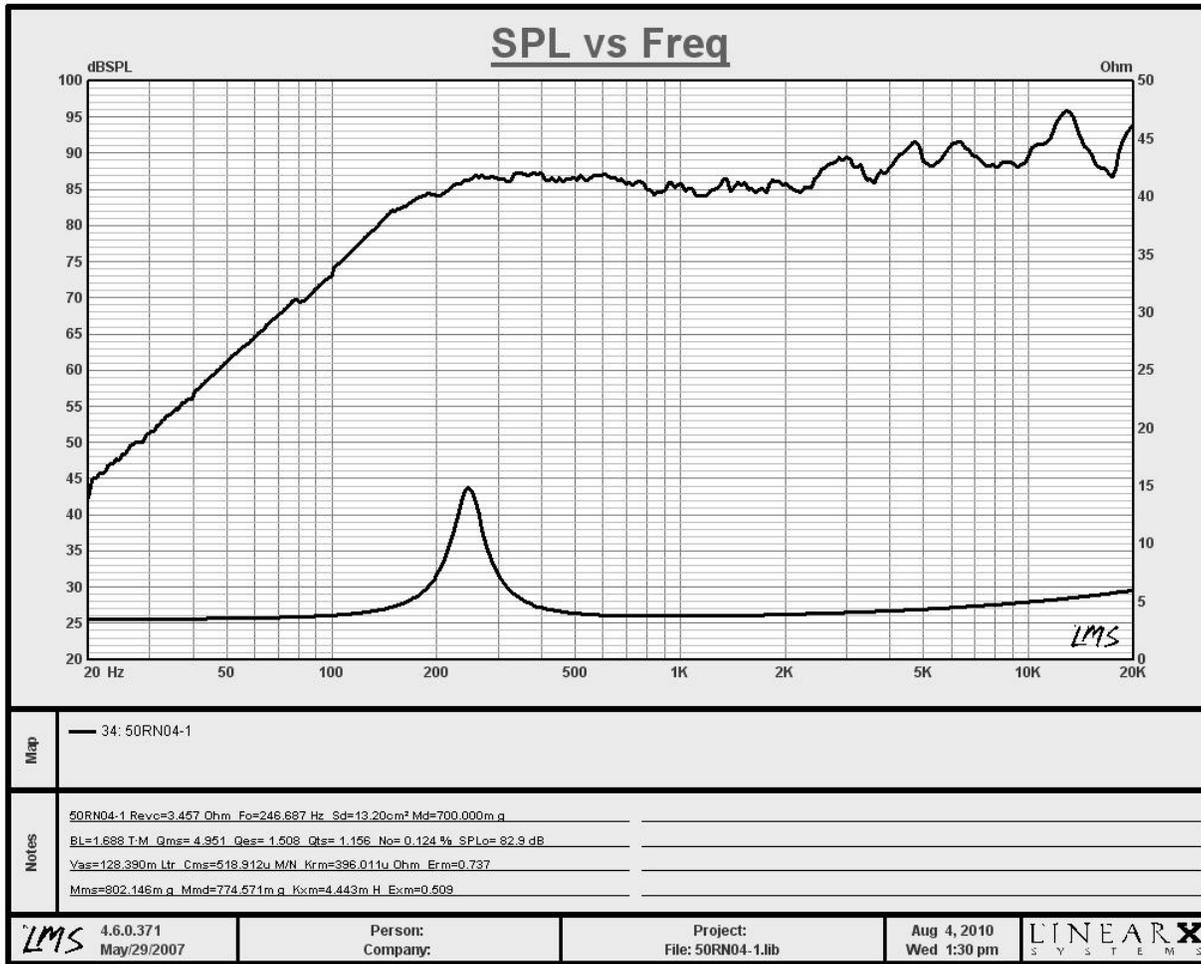
Small Signal Parameters

		Units of Measure
Resonant Frequency (fo)	220	Hz
D.C. Resistance (Re)	3.6	ohms
Mechanical Q (Qms)	3.5	
Electrical Q (Qes)	2.1	
Total Q (Qts)	1.3	
Compliance Equivalent Volume (Vas)	0.1	ltr
BL Product (BL)	1.7	T-M
Maximum Linear Excursion (Xmax)		mm
Surface Area of Cone (Sd)	13.0	cm ²
Moving Mass (Mmd)		g

Material Descriptions

Basket	Stamped Steel
Terminal Size	0.110 X .02
Magnet	Neodymium
Voice Coil Wire	Copper
Voice Coil Form	Paper
Cone	Paper
Cone Edge	Pre-treated Black Cloth
Dust Cap	Paper

Sensitivity / Frequency



Drawing

ID	Description	Measurements	Tolerance
Od	Outside Diameter	2.1 in.	+/- 0.020"
CD	Cutout Diameter	1.8 in.	+/- 0.020"
MG	Magnet Diameter	0.9 in.	+/- 0.050"
HD	Hole Diameter	in.	+/- 0.010"
MD	Mounting Diameter	in.	+/- 0.010"
ID	Internal Depth	0.9 in.	+/- 0.025"
FT	Flange Thickness	0.2 in.	+/- 0.050"
NW	Net Weight	37.0 g	

