

Specification Sheet

Model # 50RN08PR-1LS



MISCO®

Key Features:

- 2" (50 mm), 8 ohm
- Voice Range, 5 watts
- Neodymium magnet, black talc filled polypropylene cone with natural rubber surround
- RoHS compliant
- plastic frame and rubber gasket makes it ideal for outdoor applications

Product Specifications & Parameters

Primary Specifications

Speakers Environment	Outdoor
RoHS Compliant	Yes

Technical Specifications

		Units of Measure
Nominal Basket Diameter	2.0	inch
	50.0	mm
Rated Impedance	8	ohms
Rated Power	5.0	Watts
Program Power	10	Watts
Frequency Range	250 - 20000	Hz
Sensitivity (2.83 V input measured at 1 Meter)	82	dB SPL
Voice Coil Diameter	0.6 / 15.2	inch / mm
Magnet Weight	1.8 / 50	oz / gr
Transformer		

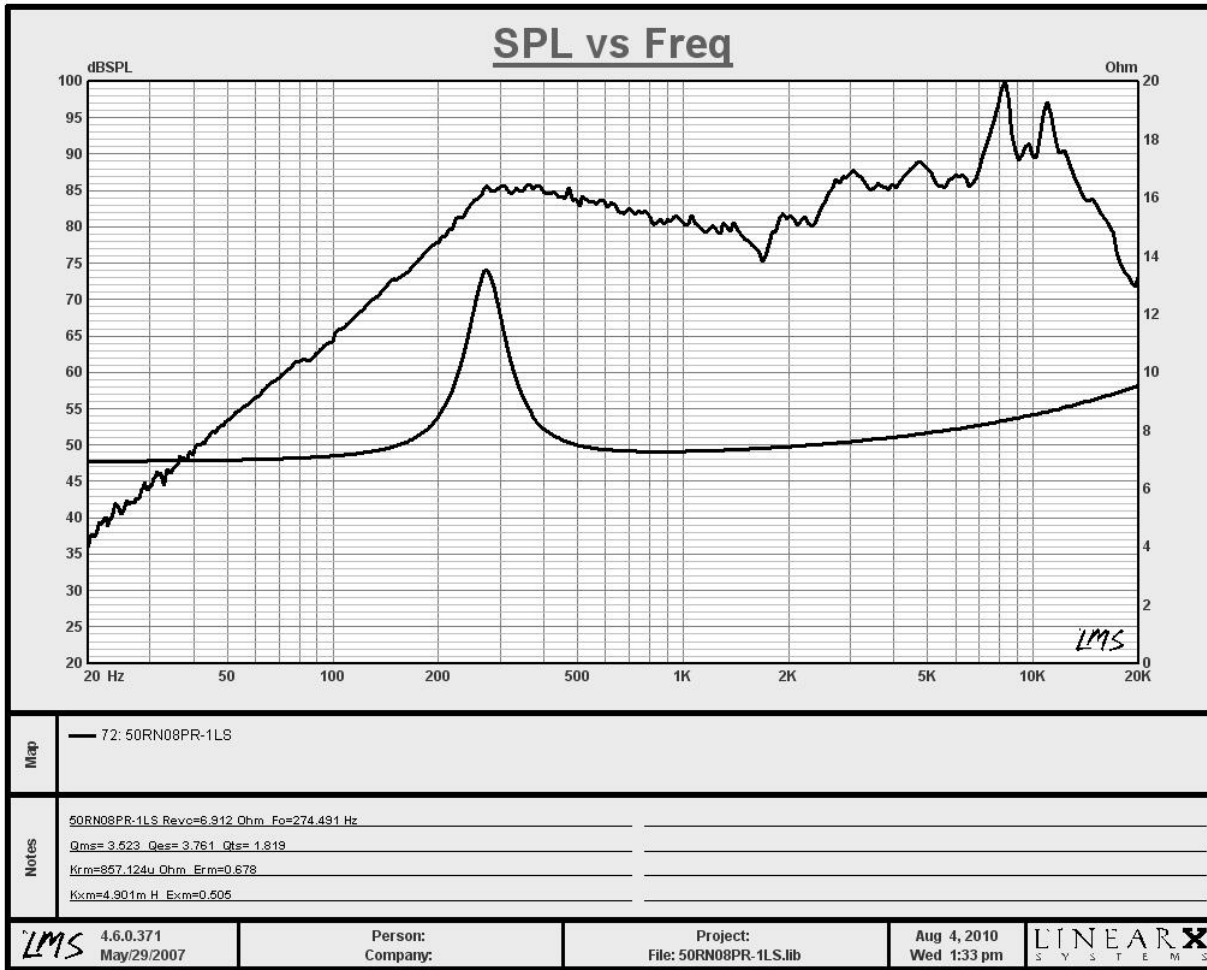
Small Signal Parameters

		Units of Measure
Resonant Frequency (fo)	250	Hz
D.C. Resistance (Re)	6.9	ohms
Mechanical Q (Qms)	3.2	
Electrical Q (Qes)	3.43	
Total Q (Qts)	1.66	
Compliance Equivalent Volume (Vas)		ltr
BL Product (BL)		T-M
Maximum Linear Excursion (Xmax)	0.1	mm
Surface Area of Cone (Sd)		cm ²
Moving Mass (Mmd)		g

Material Descriptions

Basket	Injection molded plastic
Terminal Size	Solder Pads with attached lead wires
Magnet	Neodymium
Voice Coil Wire	Copper
Voice Coil Form	Paper
Cone	Black Talc Filled Polypropylene
Cone Edge	Rubber
Dust Cap	Mylar

Sensitivity / Frequency



Drawing

ID	Description	Measurements	Tolerance
Od	Outside Diameter	2.0 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	0.5 in.	+/- 0.025"
FT	Flange Thickness	0.1 in.	+/- 0.050"
NW	Net Weight	14.0 g	

