

Specification Sheet

Model # 50FN04-1



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	162 - 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	0.4 / 10	oz / gr
Transformer		

Small Signal Parameters

		Units of Measure
Resonant Frequency (fo)	242	Hz
D.C. Resistance (Re)	3.6	ohms
Mechanical Q (Qms)	3.7	
Electrical Q (Qes)	1.6	
Total Q (Qts)	1.1	
Compliance Equivalent Volume (Vas)	0.1	ltr
BL Product (BL)	1.6	T-M
Maximum Linear Excursion (Xmax)	0.5	mm
Surface Area of Cone (Sd)	13.0	cm ²
Moving Mass (Mmd)		g

Material Descriptions

Basket	Stamped Steel
Terminal Size	.110 X .020
Magnet	Neodymium
Voice Coil Wire	Copper
Voice Coil Form	Paper
Cone	Paper
Cone Edge	Pre-treated Black Cloth
Dust Cap	Paper

Drawing

ID	Description	Measurements	Tolerance
OD	Outside Diameter	2.1 in.	+/- 0.040"
CD	Cutout Diameter	1.8 in.	+/- 0.030"
MG	Magnet Diameter	0.9 in.	+/- 0.050"
HD	Hole Diameter	0.16 in.	+/- 0.020"
MD	Mounting Diameter	2.4 in.	+/- 0.020"
ID	Internal Depth	0.9 in.	Maximum
FT	Flange Thickness	0.2 in.	+/- 0.050"
NW	Net Weight	50.0 gr.	

