

# Specification Sheet

Model # 50FN04-1



## 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	Watts
Program Power	10	Watts
Frequency Range	162 - 20000	Hz
Sensitivity (2.83 V input measured at 1 Meter)	88	dB SPL
Voice Coil Diameter	0.6 / 15.2	inch / mm
Magnet Weight	0.4 / 10	oz / gr

### 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 <sup>2</sup>

### 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.	+/- 0.020"
CD	Cutout Diameter	1.8 in.	+/- 0.020"
MG	Magnet Diameter	0.9 in.	+/- 0.050"
HD	Hole Diameter	0.16 in.	+/- 0.010"
MD	Mounting Diameter	2.4 in.	+/- 0.010"
ID	Internal Depth	0.9 in.	+/- 0.025"
FT	Flange Thickness	0.2 in.	+/- 0.050"
NW	Net Weight	50.0 gr.	

