

Specification Sheet

Model # L235A026-12



MISCO®

Key Features:

- 8" Pin Cushion Basket, 1" VC Diameter
- 10 oz Ceramic Magnet, 500 Ohm Impedance
- Voice Communications in Commercial Aircraft
- Features Fire Retardant and Moisture Repellant Treatments of Fiber Parts
- 70V Line Capable with No Need of Transformer

Product Specifications & Parameters

Primary Specifications

Speakers Environment	Indoor
RoHS Compliant	No

Technical Specifications

		Units of Measure
Nominal Basket Diameter	7.437	inch
	189.0	mm
Rated Impedance	500	ohms
Rated Power	10.0	Watts
Program Power		Watts
Frequency Range	150 to 6000	Hz
Sensitivity (2.83 V input measured at 1 Meter)	94	dB SPL
Voice Coil Diameter	1.0 / 25.4	inch / mm
Magnet Weight	10.0 / 284	oz / gr
Transformer		

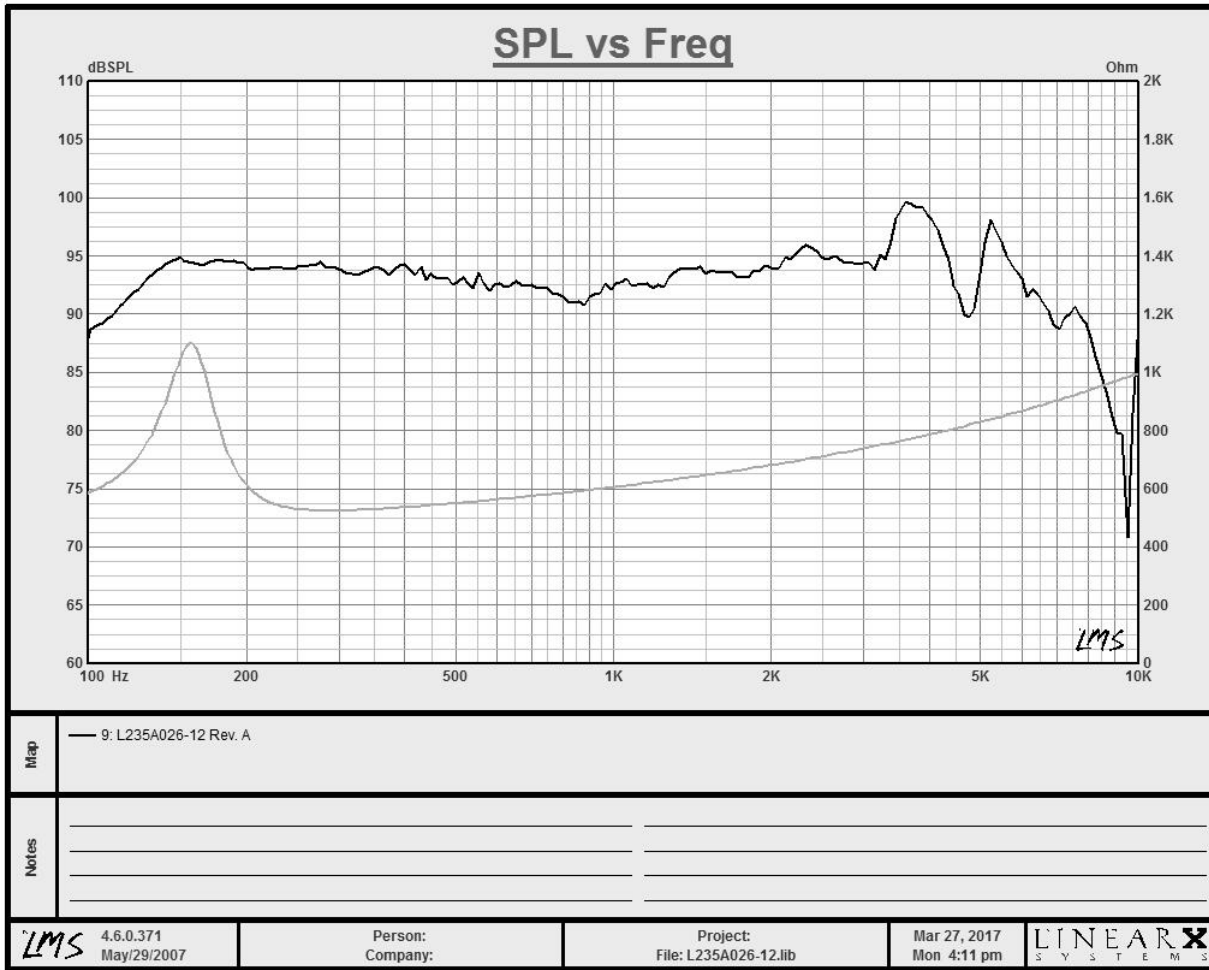
Small Signal Parameters

		Units of Measure
Resonant Frequency (fo)	135	Hz
D.C. Resistance (Re)	450.0	ohms
Mechanical Q (Qms)		
Electrical Q (Qes)		
Total Q (Qts)		
Compliance Equivalent Volume (Vas)		ltr
BL Product (BL)		T-M
Maximum Linear Excursion (Xmax)		mm
Surface Area of Cone (Sd)		cm ²
Moving Mass (Mmd)		g

Material Descriptions

Basket	Steel
Terminal Size	0.205 x 0.033
Magnet	Barium Ferrite
Voice Coil Wire	Copper
Voice Coil Form	Aluminum
Cone	Molded Paper Fiber
Cone Edge	Molded Paper Fiber
Dust Cap	Molded Paper Fiber

Sensitivity / Frequency



Drawing

ID	Description	Measurements	Tolerance
Od	Outside Diameter	7.5 in.	+/- 0.020"
CD	Cutout Diameter	7.03 in.	+/- 0.020"
MG	Magnet Diameter	3.36 in.	+/- 0.050"
HD	Hole Diameter	0.21 in.	+/- 0.010"
MD	Mounting Diameter	7.625 in.	+/- 0.010"
ID	Internal Depth	2.76 in.	+/- 0.025"
FT	Flange Thickness	0.15 in.	+/- 0.050"
NW	Net Weight	973.0 g	