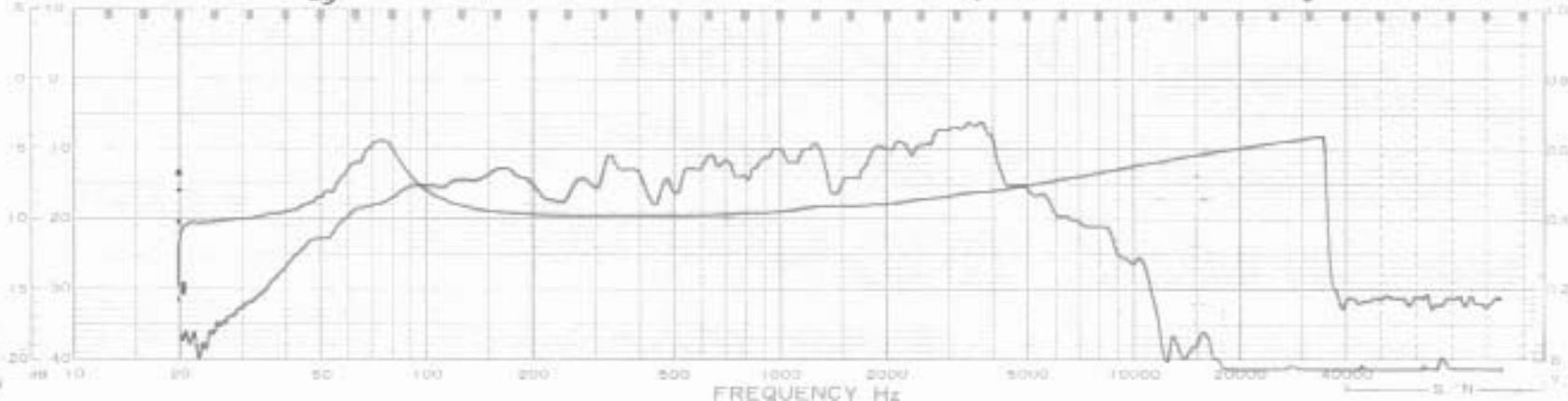


LEADER

LEADER

A-B Span range: 50dB Ref OdB Level: 100 dB Writing Speed: 0.2 sec Paper Speed: 10 mm/sec LINEAR



LEADER

Measuring (dB)

Res. No. _____

Date _____

Size _____

LC-056 JAPAN

SCIENTIFIC DESIGN SOFTWARE
Driver Parameters From Measurement Data

Entered Data as Follows:

Entered driver DC resistance (Re)	7.20 ohms	
Entered driver resonance frequency (Fs)	65.00 hertz	
Entered driver maximum impedance at Fs	34.80 ohms	
Entered driver F1 frequency	48.00 hertz at	15.80 ohms
Entered driver F2 frequency	86.00 hertz at	15.80 ohms
Calculated Square root of F1*F2	64.20 hertz	
Calculated error factor	1.20 percent	
Compliance calculated by ADDED MASS method		
Entered added mass	10.00 grams	
Entered driver new resonance frequency	40.00 hertz	
Entered driver piston diameter	107.00 mm	
Entered driver magnet gap depth	4.00 mm	
Entered driver voice coil length	8.00 mm	

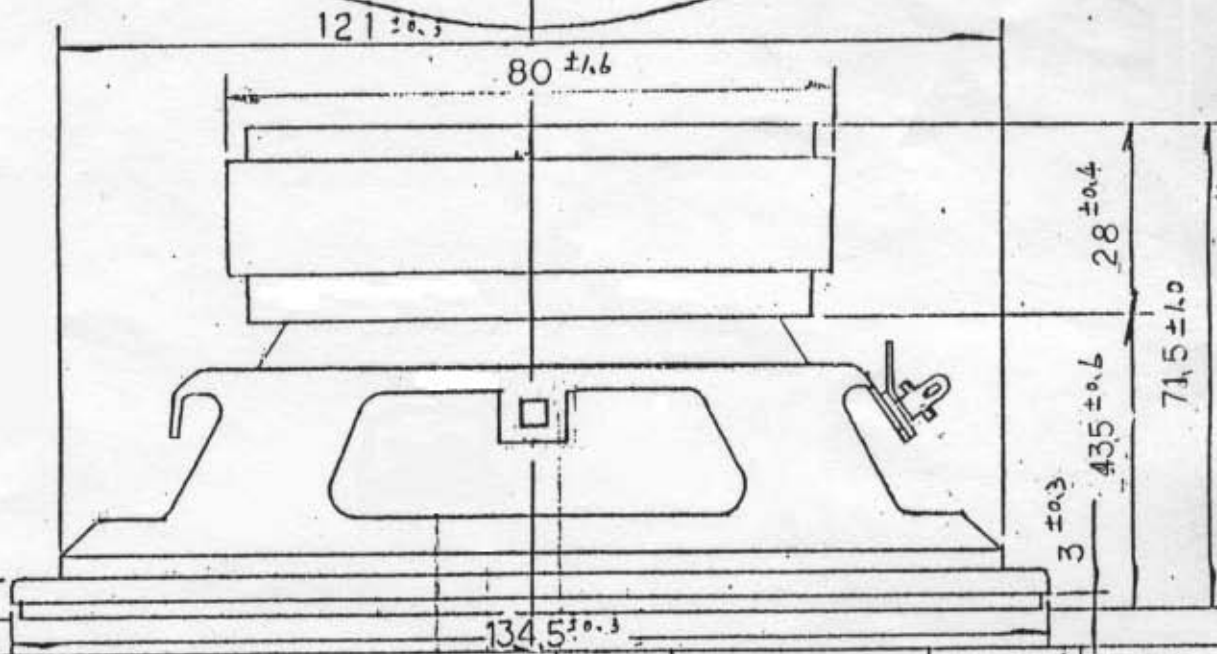
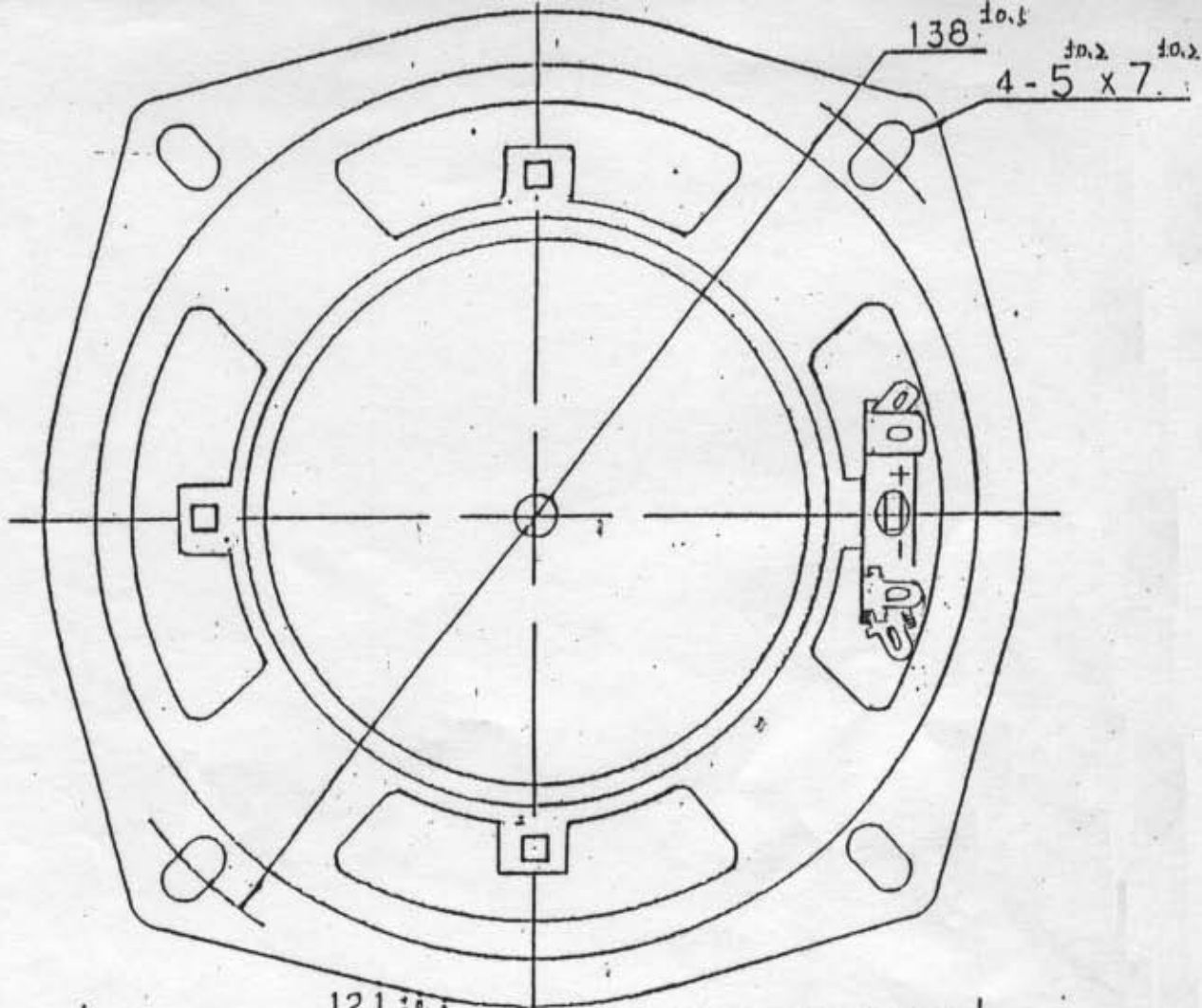
Calculated Thiele/Small Parameters:

Free Air Resonance (Fs)=SQR(F1*F2)	64.20 hertz
Qts	0.7685
Qes	0.9689
Qms	3.71
Equivalent acoustic compliance (Vas)	11.00 liters
Piston area (Sd)	0.0090 square meters
DC resistance (Re)	7.20 ohms
Volume displacement (Vd)	17.98 ccm
Linear displacement (Xmax)	2.00 mm
Coil Inductance (Le)	0.46 mH
Reference Efficiency (Ref Eff)	0.29 percent
Efficiency Bandwidth Product (EBP)	66.26 hertz

Other Calculated Data:

Moving Mass of Diaphragm only (Mmd)	5.86 grams
Moving Mass of Diaphragm & Air Load (Mms)	6.35 grams
Mass of Air load on diaphragm (Ma)	0.48 grams
Compliance (Cms)	0.00097 m/N
BL product (BL)	4.36 N/A
Sensitivity (SPL 1w/1m)	86.60 dB

END OF REPORT



一 般 公 通		MATERIAL	SCALE 1/1	QUANTITY
		FINISH	TOLERANCE	ANGLE
		TITLE	5 1/4" SPEAKER	
		100 W 1204 300	MCM Audio Select Model 55-1205	