

ITEMS:

Dimensions

Impedance

Input

Free air resonance

Sensitivity

Frequency range

Sine wave test

Weight

Life test

Humidity test

SPECIFICATIONS:

130.5mm (5 inches)

8 ohms

RATED - W, MAX 100 W

55 \pm 11 Hz87 \pm 2 dB/W/M , 2.83 VF0 \sim 17K Hz

8 V

960 grams

30 W 96 H EIA white noise

43 $^{\circ}$ C 92 % RH 96 H

VOICE COIL PARAMETERS:

Voice coil diameter 25.4 (mm)

Voice coil length 8.0 (mm)

Voice coil layers 2

Voice coil inductance 0.59 (mH)

MAGNET:

Diameter of magnet 100 (mm)

Height of magnet 15 (mm)

Weight of magnet 442 (g)

Height of the gap 4 (mm)

Total flux (mWb)

THIELE/SMALL PARAMETERS:

Total Q factor Qts: 0.401

Maximum impedance

Zo: 31.2 (Ω)

Electrical Q factor Qes: 0.511

Suspension compliance

Cms: 0.00126 (m/N)

Mechanical Q factor Qms: 1.87

BL product

BL: 5.56 (N/A)

Equivalent volume Vas: 10.04 (L)

Driver piston diameter

D: 98 (mm)

Effective piston area Sd: 0.0075 (m²)

Efficiency bandwidth product

EBP: 105.06 (Hz)

Dc resistance Re: 6.7 (Ω)

Moving mass

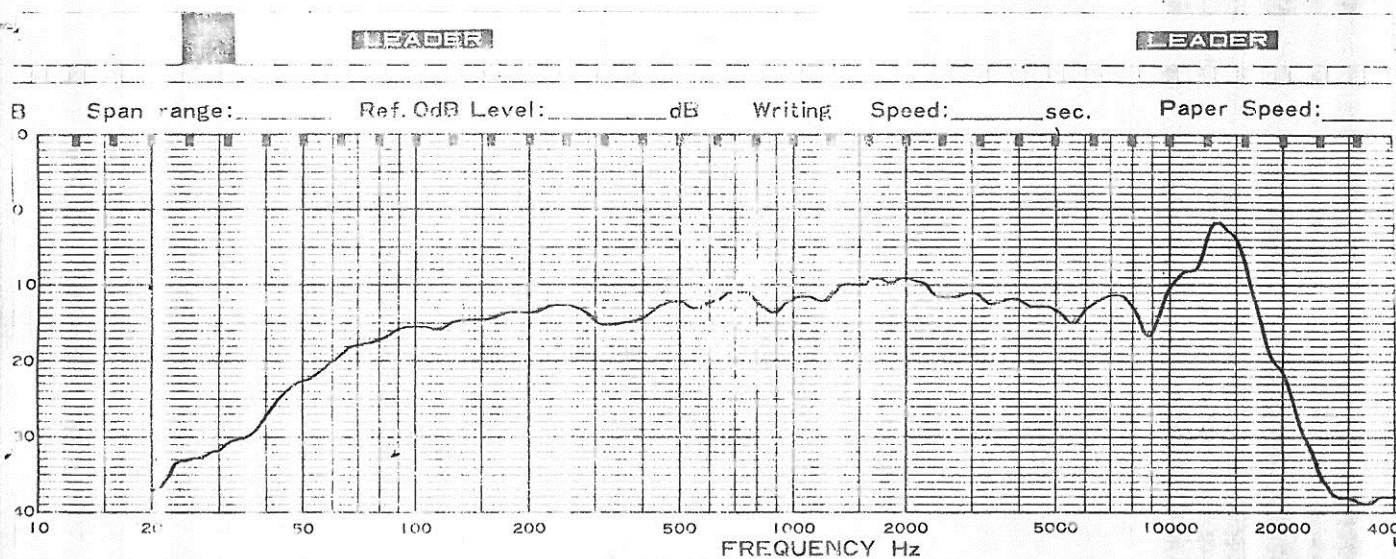
Mms: 6.99 (g)

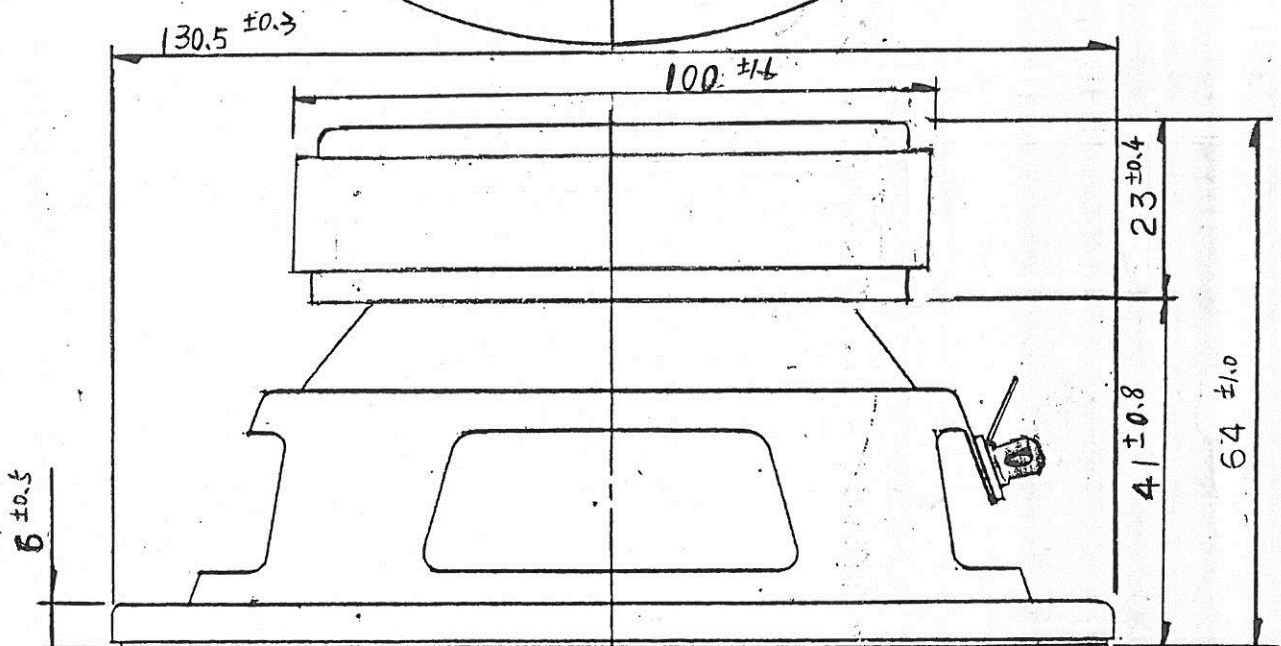
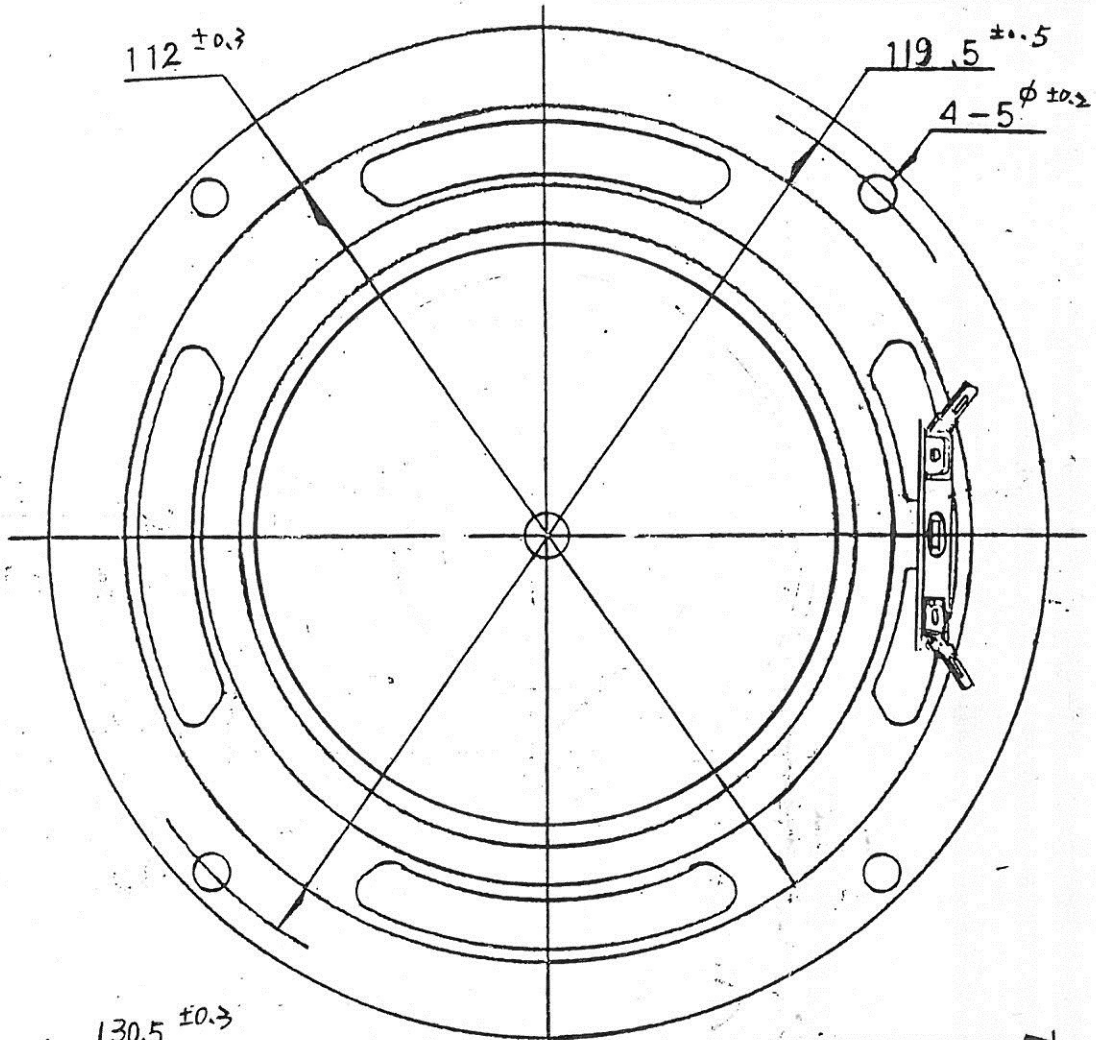
Linear displacement Xmax: 2.0 (mm)

Resonance frequency

FS: 54 (Hz)

Frequency response and impedance curve.





一般公差

MATERIAL

SCALE 1/1

QUANTITY

FINISH

TOLERANCE ±

ANGLE =

TITLE

5" SPEAKER

APVD.					
CHK.					
DSGN.					
DRAW					
1.	初版發行	97.1.8	林		
ISSUED	REVISION	DATE	NAME		

DRAWING NO.	
MCM Audio Select 5" Aluminum Cone Woofer Item # 55-1870	