CX6342

☀ 6.5" / 1.4" ☀ 150w / 45w
☀ 89 / 102 dB ☀ 108 ~ 18k Hz

KEY FEATURES:

① 6.5" coaxial speaker
② 300W(LF) +90W(HF) continuous program power capacity
③ 89dB(LF)+102dB(HF) sensitivity 1w/1m
④ 50mm(2") LF flat copper clad aluminum voice coil
⑤ 34mm(1.4") HF aluminum voice coil
⑥ Demodulating ring reduces flux modulation, minimizing electromagnetic distortion

LF GENERAL SPECIFICATIONS

Nominal Diameter	170mm /6.5inch
Rated Impedance	8 ohm
Nominal Power handling[1]	150 Watts
Program Power[2]	300 Watts
Sensitivity(1w/1m)[3]	89 dB
Frequency Range[4]	108 - 7800Hz
Voice Coil Diameter	50mm /2inch
Voice Coil Material	Edgewound CCAW
Voice Coil Winding Depth	10 mm
Number of layers	1
Magnet Outer Diameter/Wgt	140mm / 45 oz

HF GENERAL SPECIFICATIONS

Throat Diameter	25.4mm /1inch
Rated Impedance	8 ohm
Power handling(2k~18kHz)	
Nominal[1]	45 Watts
Porgram[2]	90 Watts
Sensitivity[3]	
(1w/1m, on axis)	102 dB
Frequency Range[4]	2.1k~18k Hz
Voice Coil Diameter	34mm /1.4inch
Voice Coil Material	Edgewound Aluminum
Diaphragm Material	Polyimide
Magnet Outer Diamter/Wgt	140mm / 45 oz

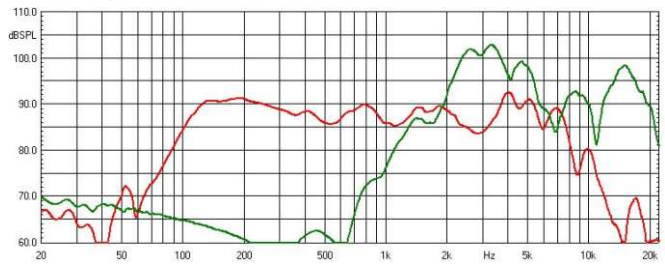
LF THIELE – SMALL PARAMETERS

Resonance frequency	Fs	108 Hz
DC resistance	Re	5.5 ohm
Mechanical factor	Qms	8
Electrical factor	Qes	0.96
Total factor	Qts	0.86
Mechanical compliance	Cms	0.14 mm/N
Mechanical resistance of suspension losses	Rms	1.32 mech-ohm
Effective Moving Mass	Mms	15.4 g
Half-space efficiency	Eff	0.4%
BL Factor	BL	7.8 T.m
Equivalent Cas air load	Vas	3.2 liters
Effective piston area	Sd	0.0129 m^2
Max. linear excursion[5]	Xmax	2 mm
Voice coil inductance	Le1K	0.32 mH
Efficiency Bandwidth Product	EBP	113

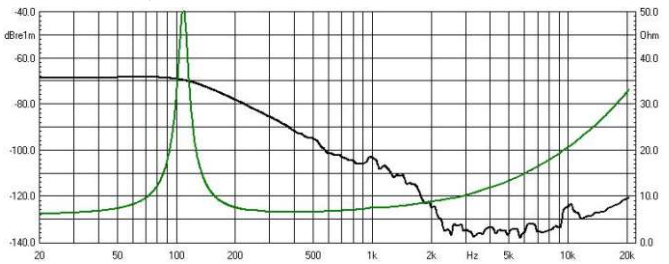
MOUNTING INFORMATION

Overall Diameter	162 mm	Overall Depth	101 mm
Bolt Circle Diameter	172 mm	Net Weight	3 kg
Bolt Hole Diameter	5 mm	Shipping Weight	3.2 kg
Baffle Cutout Diameter	147 mm	Shipping Box	175x175x1 20mm

Frequency response measured in a closed enclosure of 600L in an anechoic chamber



Impedance magnitude curve measured in free air



Laser displacement in dBmeter

Impedance in ohm

NOTES:

1. AES standard
2. Program Power is defined as 3 dB greater than the nominal power handling.
3. Sensitivity is measured at 1W input on rated impedance at 1m on axis.
4. Frequency range is defined as the band of frequencies delineated by the lower and upper limits where the output level drops by 10dB below the rated sensitivity.
5. T/S parameters measured with laser system without preconditioning test at 23 Celsius degree environment.
6. The maximum linear excursion is calculated as: (Hvc-Hg)/2+Hg/4 where Hvc is the voice coil depth and Hg is the gap depth