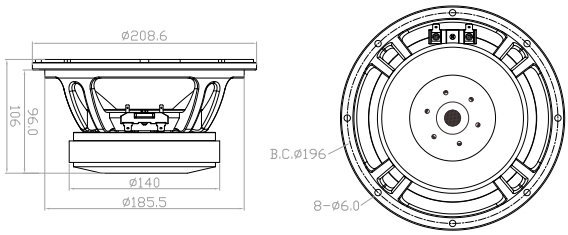
08W50-16FX 8Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 250W AES power handling
- 70Hz-4kHz frequency response
- 49.55mm (2.0in) copper clad aluminum voice coil
- Aluminum demodulating ring for lower distortion
- Ventilated voice coil gap for reduced power compression
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for line arrays and compact two way systems

MECHANICAL DRAWING

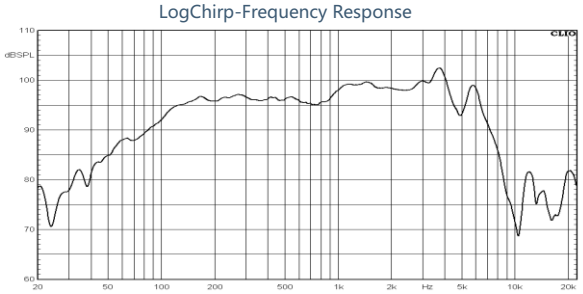


GENERAL SPECIFICATIONS

Part Number	08W50-16FX
Nominal Diameter	209mm (8in)
Nominal Impedance	16Ω
Minimum Impedance	12.8Ω
AES Power Handling[1]	250W
Maximum Power Handling[2]	500W
Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	70Hz
Frequency Range	70Hz-4kHz
Voice Coil Diameter	49.55mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	15.2mm
Magnetic Gap Depth	8mm
Xmax[4]	6.3mm
Flux Density	1.25T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	3.5kg

FREQUENCY RESPONSE CURVE

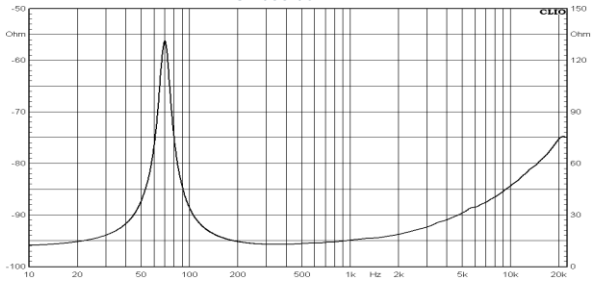
LogChirp-Frequency Response



Test conditions: 1W/1m standard test box in anechoic chamber.

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	72Hz	Qms	5.4
Re	11.6Ω	Qes	0.50
Le	0.56mH	Qts	0.46
Mms	22g	Vas	15L
Mmd	20g	Ref. Efficiency	1.1%
Cms	0.21mm/N	Sd	227cm^2
BL	15.5Tm	EBP	144Hz

NOTES

1. Two hours test according to AES 2-1984 Rev. 2003.
   Power calculated on rated minimum impedance.
2. Maximum power is defined as 3dB greater than Nominal power.
3. Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.
4. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
5. Thiele-Small parameters are measured after a preconditioning test.
6. Power test by continuous pink noise signal within the frequency range.