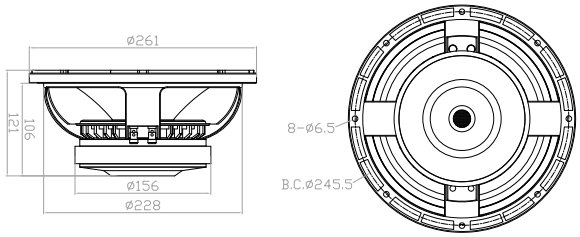
10W65-16FX 8Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 97dB 1W/1m sensitivity
- 300W AES power handling
- 55Hz-4kHz frequency response
- 63.8mm (2.5in) aluminum voice coil
- 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

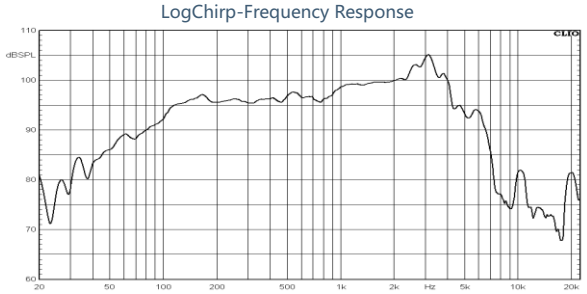


GENERAL SPECIFICATIONS

Part Number	10W65-16FX
Nominal Diameter	261mm (10in)
Nominal Impedance	16Ω
Minimum Impedance	13.1Ω
AES Power Handling[1]	300W
Maximum Power Handling[2]	600W
Sensitivity (1W/1m)[3]	97dB
Resonance Frequency	55Hz
Frequency Range	55Hz-4kHz
Voice Coil Diameter	63.8mm
Winding Material	Aluminum
Former Material	Glass Fiber
Winding Depth	14mm
Magnetic Gap Depth	8mm
Xmax[4]	5.7mm
Flux Density	1.25T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	4.5kg

FREQUENCY RESPONSE CURVE

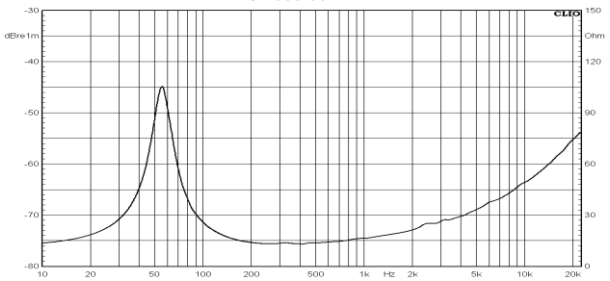
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	55Hz	Qms	3.5
Re	12.6Ω	Qes	0.48
Le	0.60mH	Qts	0.42
Mms	39g	Vas	35L
Mmd	35g	Ref. Efficiency	1.2%
Cms	0.21mm/N	Sd	346cm^2
BL	18.9Tm	EBP	115Hz

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.