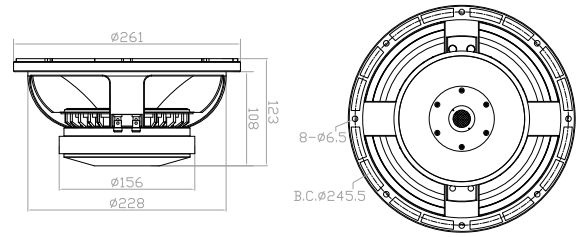
10W65-8XH

BASS/MID RANGE DRIVER

KEY FEATURES

- 95dB 1W/1m sensitivity
- 300W AES power handling
- 52Hz-3kHz frequency response
- 63.8mm (2.5in) 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 compact two way systems

MECHANICAL DRAWING

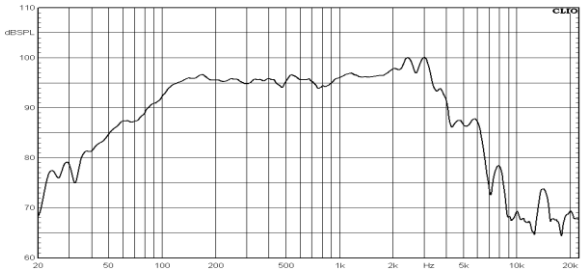


GENERAL SPECIFICATIONS

Part Number	10W65-8XH
Nominal Diameter	261mm (10in)
Nominal Impedance	8Ω
Minimum Impedance	6.9Ω
AES Power Handling[1]	300W
Maximum Power Handling[2]	600W
Sensitivity (1W/1m)[3]	95dB
Resonance Frequency	52Hz
Frequency Range	52Hz-3kHz
Voice Coil Diameter	63.8mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	16.9mm
Magnetic Gap Depth	10mm
Xmax[4]	6.8mm
Flux Density	1.0T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	4.6kg

FREQUENCY RESPONSE CURVE

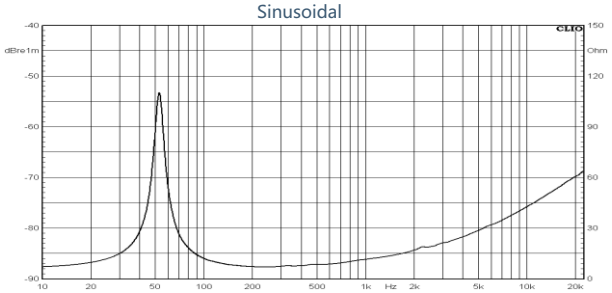
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	53Hz	Qms	7.3
Re	5.6Ω	Qes	0.38
Le	0.56mH	Qts	0.36
Mms	38g	Vas	39L
Mmd	34g	Ref. Efficiency	1.5%
Cms	0.23mm/N	Sd	346cm^2
BL	13.6Tm	EBP	139Hz

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 2.83 V for 8 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.