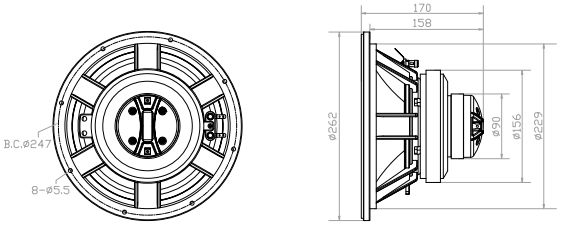
T10W65-8LC

COAXIAL DRIVER

KEY FEATURES

- 95dB & 106dB 1W/1m sensitivity
- 250W & 25W AES power handling
- 55Hz-20kHz frequency response
- 63.8mm (2.5in) & 36mm (1.4in) voice coil
- Special waterproof treatment front side
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for multiple sound sources systems and compact systems

MECHANICAL DRAWING

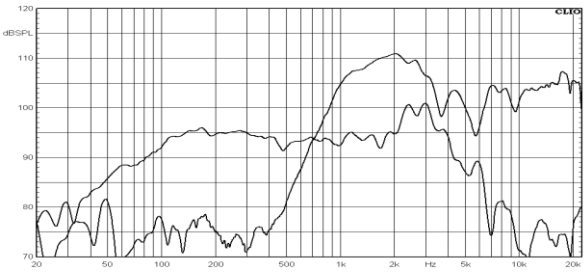


GENERAL SPECIFICATIONS

Part Number	T10W65-8LC
Nominal Diameter	262mm (10in)
Nominal Impedance	LF : 8Ω HF : 8Ω
Minimum Impedance	LF : 6.2Ω at 300Hz HF : 7.1Ω at 5000Hz
AES Power Handling[1]	LF : 250W HF : 25W
Maximum Power Handling[2]	LF : 500W HF : 50W
(1W/1m) Sensitivity (1W/1m)[3]	LF : 95dB HF : 106dB
Resonance Frequency	55Hz
Recommended Crossover[4]	2kHz
Frequency Range	LF : 55Hz-3kHz HF : 1.2kHz-20kHz
Voice Coil Diameter	LF : 63.8mm HF : 36mm
Winding Material	LF : Copper Clad Aluminum HF : Flat Aluminum
Former Material	LF : Glass Fiber HF : Kapton
Winding Depth	LF : 15.5mm HF : 2.5mm
Magnetic Gap Depth	LF : 8mm HF : 3mm
Xmax[5]	LF : 6.4mm
Flux Density	LF : 1.05T HF : 1.65T
Basket Material	Cast Aluminum
Magnet Material	LF&HF : Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Diaphragm Material	Polymer
Phase Plug Material	Plastic
Cover Material	Plastic
Net Weight	5.3kg

FREQUENCY RESPONSE CURVE

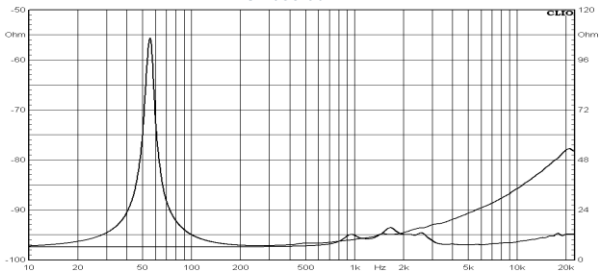
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[6]

Fs	55Hz	Qms	8.3
Re	5.1Ω	Qes	0.36
Le	0.42mH	Qts	0.34
Mms	39g	Vas	35L
Mmd	35g	Ref. Efficiency	1.6%
Cms	0.21mm/N	Sd	346cm^2
BL	13.6Tm	EBP	153Hz

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. 12 dB/oct. or higher slope high-pass filter.
5. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
6. Thiele-Small parameters are measured after a preconditioning test.
7. Woofer power test made with continuous pink noise signal within the frequency range.Compression driver power test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.