



## T08W50-8LC

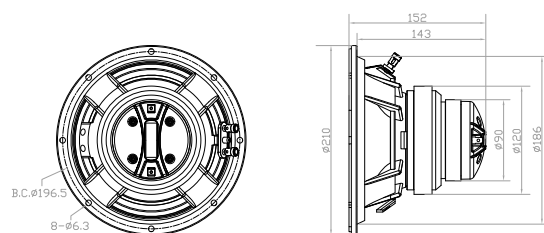
### COAXIAL DRIVER



### KEY FEATURES

- 93dB & 105dB 1W/1m sensitivity
- 200W & 25W AES power handling
- 60Hz-20kHz frequency response
- 49.55mm (2.0in) & 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



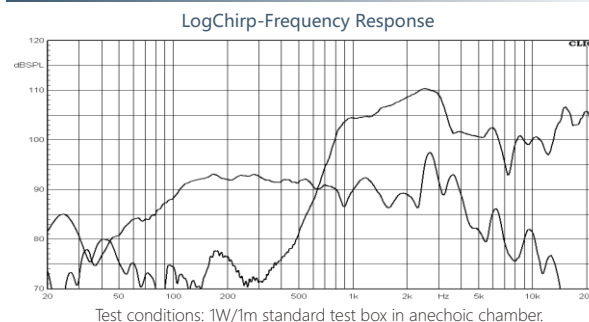
### GENERAL SPECIFICATIONS

Part Number	T08W50-8LC
Nominal Diameter	210mm (8in)
Nominal Impedance	LF : 8Ω HF : 8Ω
Minimum Impedance	LF : 6.7Ω at 300Hz HF : 7.2Ω at 5300Hz
AES Power Handling <sup>1</sup>	LF : 200W HF : 25W
Maximum Power Handling <sup>2</sup>	LF : 400W HF : 50W
(1W/1m) Sensivity (1W/1m) <sup>3</sup>	LF : 93dB HF : 105dB
Resonance Frequency	60Hz
Recommended Crossover <sup>4</sup>	2kHz
Frequency Range	LF : 60Hz-3kHz HF : 1.2kHz-20kHz
Voice Coil Diameter	LF : 49.55mm HF : 36mm
Winding Material	LF : Copper HF : Flat Aluminum
Former Material	LF : Polyimide HF : Kapton
Winding Depth	LF : 12.6mm HF : 2.5mm
Magnetic Gap Depth	LF : 8mm HF : 3mm
Xmax <sup>5</sup>	LF : 4.9mm
Flux Density	LF : 0.9T 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	3.5kg

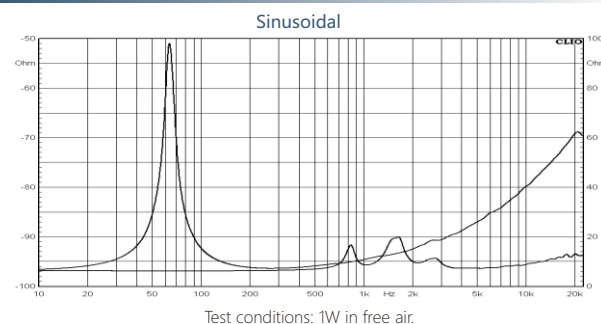
### TS Parameters<sup>6</sup>

Fs	63Hz	Qms	6.9
Re	5.6Ω	Qes	0.41
Le	0.51mH	Qts	0.39
Mms	23g	Vas	20L
Mmd	21g	Ref. Efficiency	1.2%
Cms	0.28mm/N	Sd	227cm <sup>2</sup>
BL	11Tm	EBP	154Hz

### FREQUENCY RESPONSE CURVE



### IMPEDANCE CURVE



### 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.