



08W50-8TPX

BASS/MID RANGE DRIVER



GENERAL SPECIFICATIONS

Part Number	08W50-8TPX
Nominal Diameter	209mm (8in)
Nominal Impedance	8Ω
Minimum Impedance	6.0Ω
AES Power Handling ¹	200W
Maximum Power Handling ²	400W
Sensitivity (1W/1m) ³	92dB
Resonance Frequency	80Hz
Frequency Range	80Hz-5kHz
Voice Coil Diameter	49.55mm
Winding Material	Copper
Former Material	Polyimide
Winding Depth	12.8mm
Magnetic Gap Depth	8mm
X _{max} ⁴	5.1mm
Flux Density	0.85T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	2.2kg

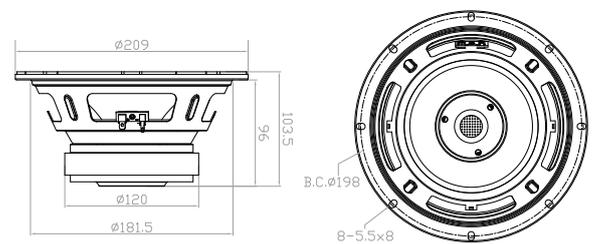
TS Parameters⁵

F _s	80Hz	Q _{ms}	6.5
R _e	5.6Ω	Q _{es}	0.87
L _e	0.45mH	Q _{ts}	0.77
M _{ms}	27g	V _{as}	10.3L
M _{md}	25g	Ref. Efficiency	0.6%
C _{ms}	0.14mm/N	S _d	227cm ²
BL	9.4Tm	EBP	92Hz

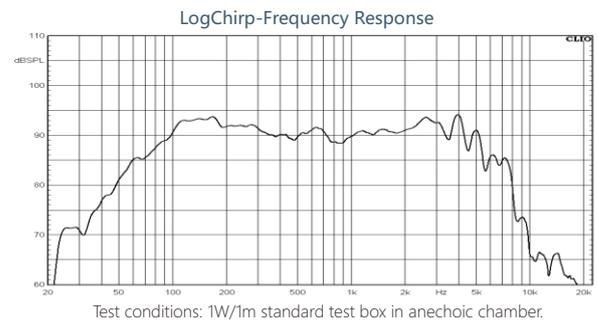
KEY FEATURES

- 92dB 1W/1m sensitivity
- 200W AES power handling
- 80Hz-5kHz frequency response
- 49.55mm (2.0in) copper voice coil
- Suitable for compact two way systems and multi-way systems

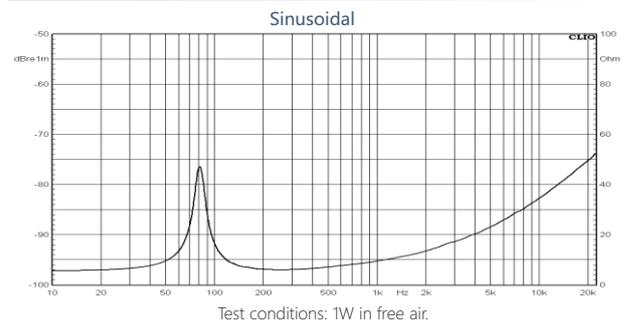
MECHANICAL DRAWING



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. X_{max}=[(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.