



10W65-8S

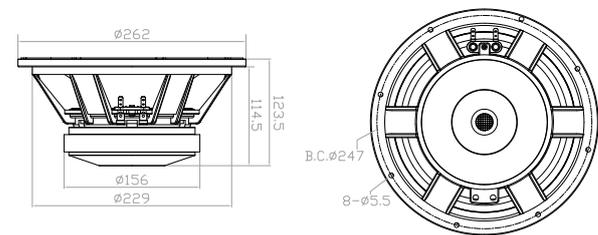
BASS/MID RANGE DRIVER



KEY FEATURES

- 95dB 1W/1m sensitivity
- 250W AES power handling
- 50Hz-3kHz frequency response
- 63.8mm (2.5in) copper clad aluminum voice coil
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for compact two way systems

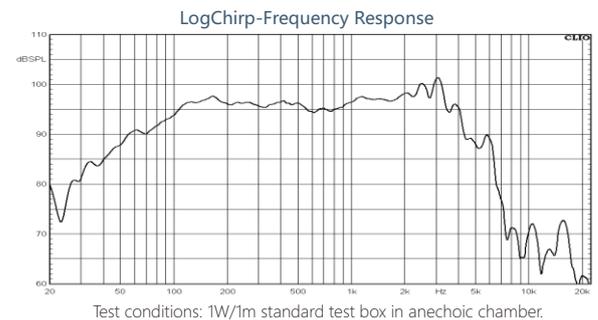
MECHANICAL DRAWING



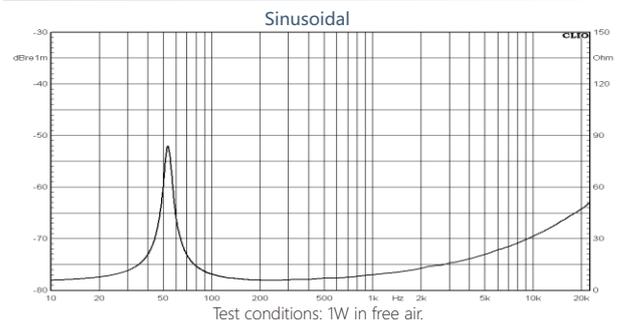
GENERAL SPECIFICATIONS

Part Number	10W65-8S
Nominal Diameter	262mm (10in)
Nominal Impedance	8Ω
Minimum Impedance	5.8Ω
AES Power Handling ¹	250W
Maximum Power Handling ²	500W
Sensitivity (1W/1m) ³	95dB
Resonance Frequency	50Hz
Frequency Range	50Hz-3kHz
Voice Coil Diameter	63.8mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	15.5mm
Magnetic Gap Depth	8mm
Xmax ⁴	6.4mm
Flux Density	1.08T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	4.3kg

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



TS Parameters⁵

Fs	53Hz	Qms	7.3
Re	5.1Ω	Qes	0.47
Le	0.40mH	Qts	0.44
Mms	42g	Vas	35L
Mmd	39g	Ref. Efficiency	1.1%
Cms	0.21mm/N	Sd	346cm ²
BL	12.4Tm	EBP	113Hz

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.