



## 06W38-8NX

### BASS/MID RANGE DRIVER



#### GENERAL SPECIFICATIONS

Part Number	06W38-8NX
Nominal Diameter	161.5mm (6in)
Nominal Impedance	8Ω
Minimum Impedance	7.7Ω
AES Power Handling <sup>1</sup>	120W
Maximum Power Handling <sup>2</sup>	240W
Sensitivity (1W/1m) <sup>3</sup>	96dB
Resonance Frequency	150Hz
Frequency Range	150Hz-7kHz
Voice Coil Diameter	37.6mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	7.5mm
Magnetic Gap Depth	6mm
Xmax <sup>4</sup>	2.8mm
Flux Density	1.5T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	1.2kg

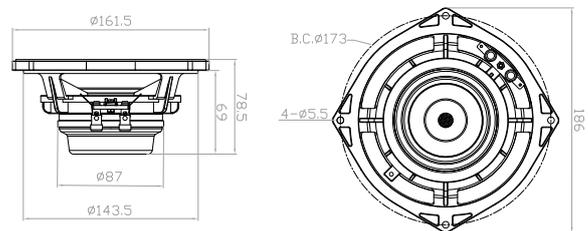
#### TS Parameters<sup>5</sup>

Fs	155Hz	Qms	7.4
Re	6.4Ω	Qes	0.64
Le	0.23mH	Qts	0.59
Mms	10.5g	Vas	2.4L
Mmd	9.6g	Ref. Efficiency	1.4%
Cms	0.10mm/N	Sd	133cm <sup>2</sup>
BL	10Tm	EBP	242Hz

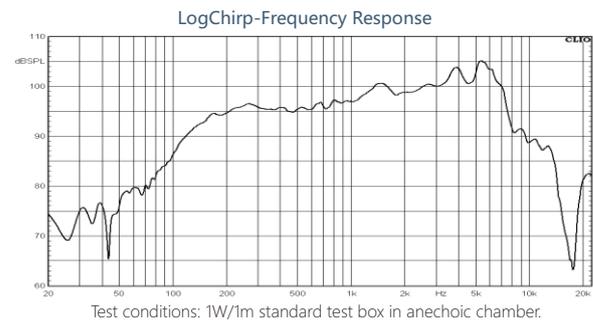
#### KEY FEATURES

- 96dB 1W/1m sensitivity
- 120W AES power handling
- 150Hz-7kHz frequency response
- 37.6mm (1.5in) aluminum voice coil
- Lightweight neodymium ring motor system
- Aluminum demodulating ring for lower distortion
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for line arrays and multi-way systems

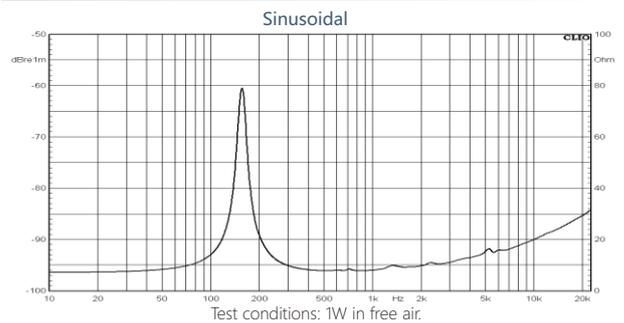
#### MECHANICAL DRAWING



#### 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. 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.