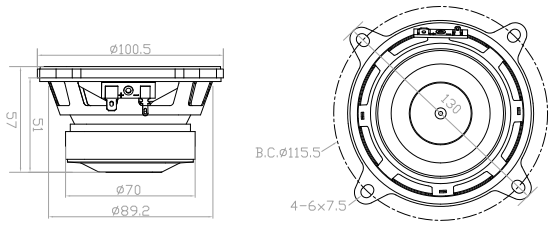
04W19-8CN 4Ω &16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 91dB 1W/1m sensitivity
- 30W AES power handling
- 90Hz-20kHz frequency response
- 19.45mm (0.75in) aluminum voice coil
- Black glass fiber cone material
- Neodymium ring magnetic structure
- Suitable for sound column systems and multi-way systems

MECHANICAL DRAWING

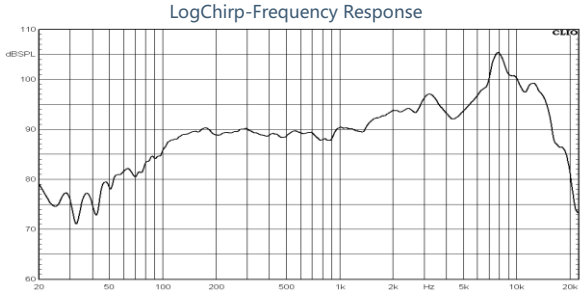


GENERAL SPECIFICATIONS

Part Number	04W19-8CN
Nominal Diameter	100.5mm (4in)
Nominal Impedance	8Ω
Minimum Impedance	7.2Ω
AES Power Handling[1]	30W
Maximum Power Handling[2]	60W
Sensitivity (1W/1m)[3]	91dB
Resonance Frequency	90Hz
Frequency Range	90Hz-20kHz
Voice Coil Diameter	19.45mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	6.2mm
Magnetic Gap Depth	4mm
Xmax[4]	2.4mm
Flux Density	1.4T
Basket Material	Pressed Steel
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Black Glass Fiber
Net Weight	0.28kg

FREQUENCY RESPONSE CURVE

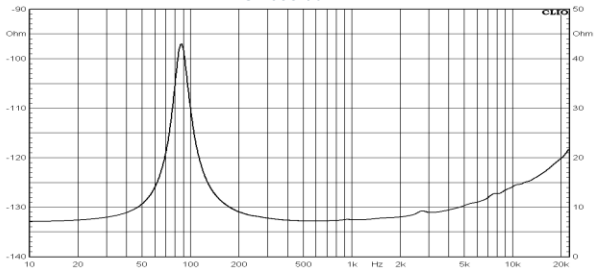
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	88Hz	Qms	4.1
Re	7.0Ω	Qes	0.76
Le	0.14mH	Qts	0.64
Mms	3.8g	Vas	3.2L
Mmd	3.6g	Ref. Efficiency	0.28%
Cms	0.85mm/N	Sd	51.9cm^2
BL	4.4Tm	EBP	116Hz

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.