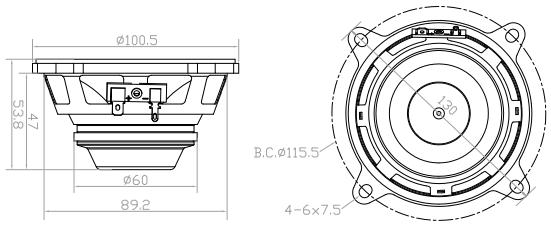
04W25-8CN 16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 94dB 1W/1m sensitivity
- 40W AES power handling
- 100Hz-20kHz frequency response
- 25.8mm (1.0in) copper clad aluminum voice coil
- Copper demodulating ring for lower distortion
- Neodymium ring magnetic structure
- Suitable for sound column systems and multi-way systems

MECHANICAL DRAWING

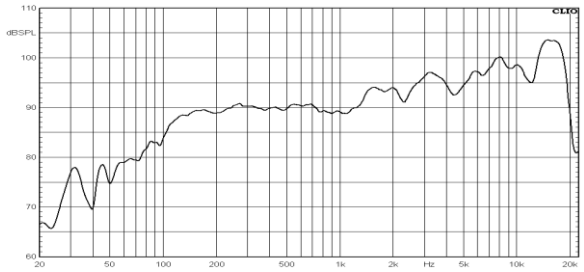


GENERAL SPECIFICATIONS

Part Number	04W25-8CN
Nominal Diameter	100.5mm (4in)
Nominal Impedance	8Ω
Minimum Impedance	6.4Ω
AES Power Handling[1]	40W
Maximum Power Handling[2]	80W
Sensitivity (1W/1m)[3]	94dB
Resonance Frequency	100Hz
Frequency Range	100Hz-20kHz
Voice Coil Diameter	25.8mm
Winding Material	Copper Clad Aluminum
Former Material	Polyimide
Winding Depth	7.2mm
Magnetic Gap Depth	4mm
Xmax[4]	2.9mm
Flux Density	1.4T
Basket Material	Pressed Steel
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Paper
Net Weight	0.38kg

FREQUENCY RESPONSE CURVE

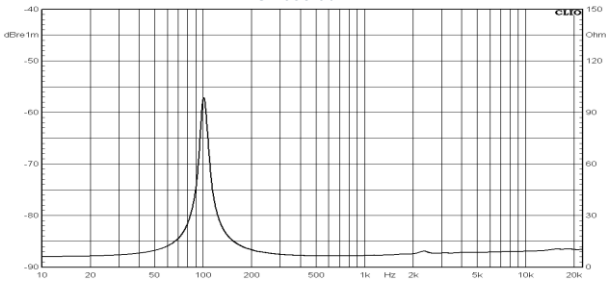
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	100Hz	Qms	7.9
Re	5.4Ω	Qes	0.45
Le	0.04mH	Qts	0.43
Mms	4.8g	Vas	1.8L
Mmd	4.6g	Ref. Efficiency	0.39%
Cms	0.51mm/N	Sd	50.3cm^2
BL	6.0Tm	EBP	222Hz

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.