05W32-8CNX

BASS/MID RANGE DRIVER

KEY FEATURES

- 94dB 1W/1m sensitivity
- 80W AES power handling
- 75Hz-7kHz frequency response
- 32mm (1.26in) aluminum voice coil
- Black glass fiber cone material
- Neodymium ring magnetic structure
- Suitable for sound column systems and multi-way systems

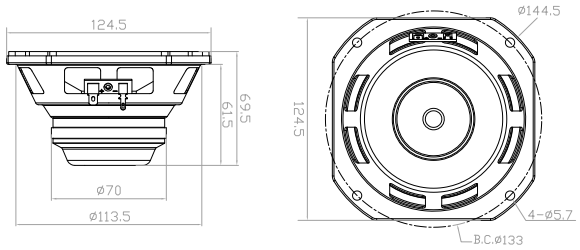
GENERAL SPECIFICATIONS

Part Number	05W32-8CNX
Nominal Diameter	124.5×124.5mm (5in)
Nominal Impedance	8Ω
Minimum Impedance	6.8Ω
AES Power Handling[1]	80W
Maximum Power Handling[2]	160W
Sensitivity (1W/1m)[3]	94dB
Resonance Frequency	75Hz
Frequency Range	75Hz-7kHz
Voice Coil Diameter	32mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	12.5mm
Magnetic Gap Depth	6mm
Xmax[4]	5.2mm
Flux Density	1.55T
Basket Material	Pressed Steel
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Black Glass Fiber
Net Weight	0.7kg

TS Parameters[5]

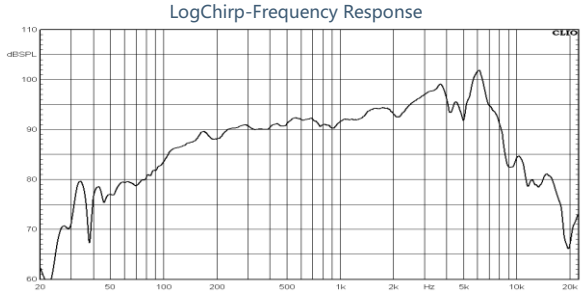
Fs	76Hz	Qms	2.3
Re	5.6Ω	Qes	0.28
Le	0.25mH	Qts	0.25
Mms	8.4g	Vas	4.5L
Mmd	8.0g	Ref. Efficiency	0.68%
Cms	0.51mm/N	Sd	78. 5cm^2
BL	9.0Tm	EBP	271Hz

MECHANICAL DRAWING



FREQUENCY RESPONSE CURVE

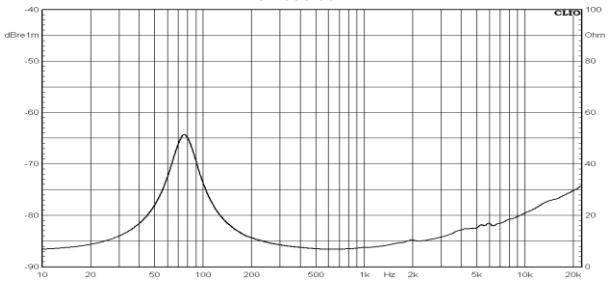
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

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.