05W32-8CFX

BASS/MID RANGE DRIVER

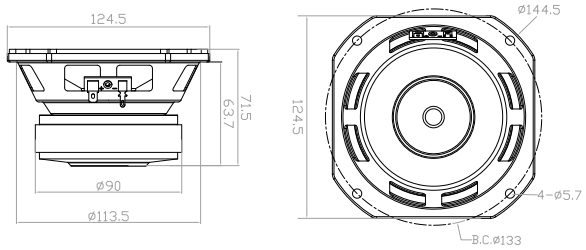
KEY FEATURES

- 90dB 1W/1m sensitivity
- 80W AES power handling
- 75Hz-7kHz frequency response
- 32mm (1.26in) aluminum voice coil
- Black glass fiber cone material
- Suitable for sound column systems and multi-way systems

GENERAL SPECIFICATIONS

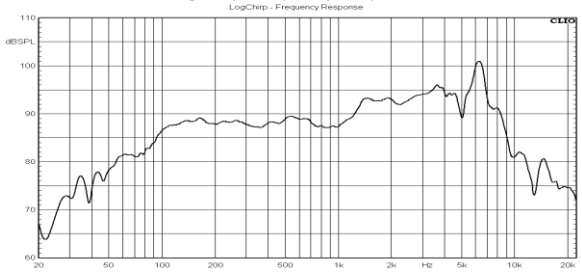
Part Number	05W32-8CFX
Nominal Diameter	124.5×124.5mm (5in)
Nominal Impedance	8Ω
Minimum Impedance	6.5Ω
AES Power Handling[1]	80W
Maximum Power Handling[2]	160W
Sensitivity (1W/1m)[3]	90dB
Resonance Frequency	75Hz
Frequency Range	75Hz-7kHz
Voice Coil Diameter	32mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	12.5mm
Magnetic Gap Depth	6mm
Xmax[4]	5.2mm
Flux Density	1.05T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Black Glass Fiber
Net Weight	1.2kg

MECHANICAL DRAWING



FREQUENCY RESPONSE CURVE

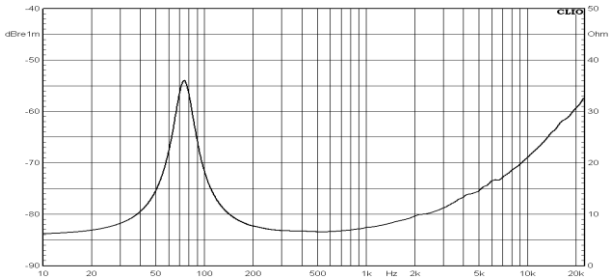
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	77Hz	Qms	2.9
Re	5.6Ω	Qes	0.58
Le	0.26mH	Qts	0.48
Mms	8.6g	Vas	4.7L
Mmd	8.2g	Ref. Efficiency	0.36%
Cms	0.48mm/N	Sd	84cm^2
BL	6.4Tm	EBP	132Hz

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.