



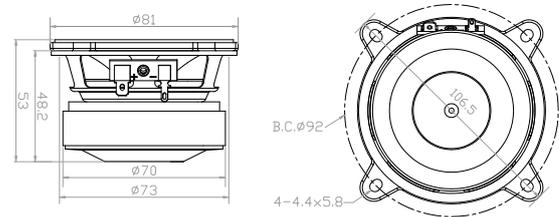
## 03W19-8CF 4Ω & 16Ω Available BASS/MID RANGE DRIVER



### KEY FEATURES

- 88dB 1W/1m sensitivity
- 25W AES power handling
- 110Hz-20kHz frequency response
- 19.45mm (0.75in) aluminum voice coil
- Copper demodulating ring for lower distortion
- Suitable for sound column systems and multi-way systems

### MECHANICAL DRAWING



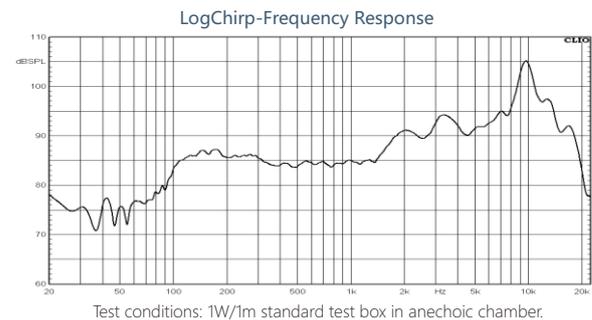
### GENERAL SPECIFICATIONS

Part Number	03W19-8CF
Nominal Diameter	81mm (3in)
Nominal Impedance	8Ω
Minimum Impedance	7.1Ω
AES Power Handling <sup>1</sup>	25W
Maximum Power Handling <sup>2</sup>	50W
Sensitivity (1W/1m) <sup>3</sup>	88dB
Resonance Frequency	110Hz
Frequency Range	110Hz-20kHz
Voice Coil Diameter	19.45mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	5mm
Magnetic Gap Depth	4mm
Xmax <sup>4</sup>	1.8mm
Flux Density	1.1T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Paper
Net Weight	0.53kg

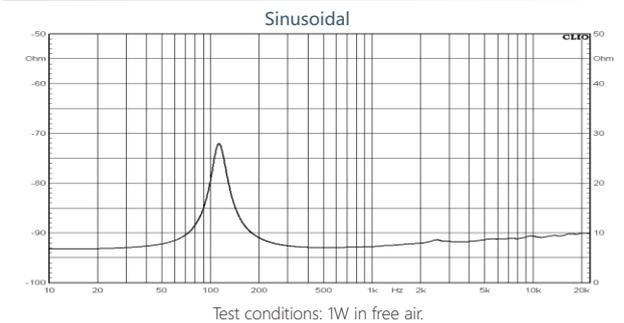
### TS Parameters<sup>5</sup>

Fs	110Hz	Qms	4.2
Re	6.5Ω	Qes	1.16
Le	0.04mH	Qts	0.91
Mms	2.7g	Vas	1.2L
Mmd	2.6g	Ref. Efficiency	0.13%
Cms	0.75mm/N	Sd	33cm <sup>2</sup>
BL	3.3Tm	EBP	95Hz

### 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.