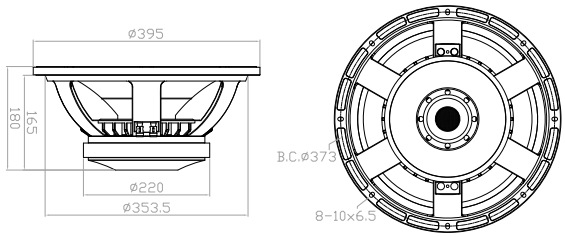
15SW100-8BS 4Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 1000W AES power handling
- 40Hz-1.5kHz frequency response
- 99.3mm (4.0in) copper voice coil
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs and compact two way systems

MECHANICAL DRAWING

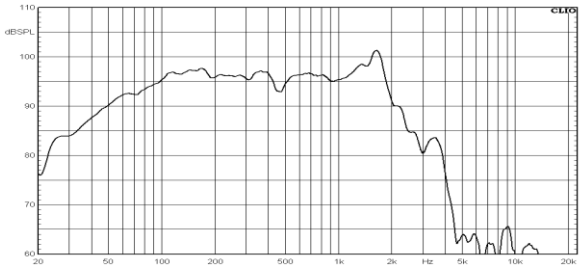


GENERAL SPECIFICATIONS

Part Number	15SW100-8BS
Nominal Diameter	395mm (15in)
Nominal Impedance	8Ω
Minimum Impedance	6.5Ω
AES Power Handling[1]	1000W
Maximum Power Handling[2]	2000W
Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	40Hz
Frequency Range	40Hz-1.5kHz
Voice Coil Diameter	99.3mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	25.2mm
Magnetic Gap Depth	12mm
Xmax[4]	10.6mm
Flux Density	1.05T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	12kg

FREQUENCY RESPONSE CURVE

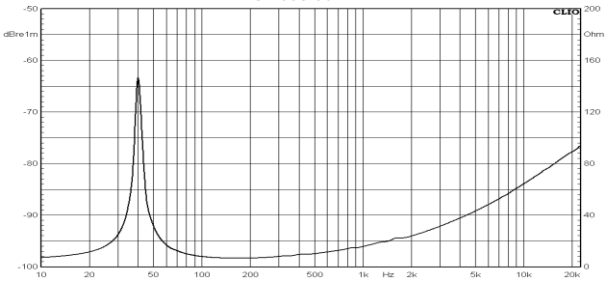
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	40Hz	Qms	10.3
Re	5.0Ω	Qes	0.36
Le	0.87mH	Qts	0.35
Mms	179g	Vas	95L
Mmd	164g	Ref. Efficiency	1.6%
Cms	0.09mm/N	Sd	881cm^2
BL	24.9Tm	EBP	111Hz

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.