



KEY FEATURES:

- 100 db 1W / 1m average sensitivity
- 88 mm high temperature aluminium voice coil
- 1400 W AES program power
- Vented ferrite magnet assembly
- Two aluminium demodulating rings for lower distortion and improved heat dissipation
- Silicone spider
- Water protected cone (front side)
- Epoxy anti-corrosion coating of top and back plates of magnet structure

PART NUMBER: 11115F0808

Application : High power midbass

15MB35 loudspeaker combining good linearity and efficiency with high power handling capabilities, with use of 88 mm aluminium voice coil and silicone spider. It features aluminium die cast frame, vented ferrite magnet structure with two demodulating rings. 15MB35 is suitable for application in a wide variety of enclosure types and particularly as LF driver in 2- or 3- way boxes. Used new 3.5" voice coil reduces power compression at the high power handling compared with classic 3" voice coil.

SPECIFICATIONS

Nominal Diameter	15"/385 inch/mm
Impedance	8 Ohm
Minimum Impedance	5.97 Ohm
Power Capacity AES ¹	700 W
Program Power ²	1400 W
Sensitivity	(200-2000 Hz)100 dB/W/m
Frequency Range	45 - 3500 Hz
Voice Coil Diameter	88 mm
Voice Coil Material	Aluminium
Voice Coil Former	Glassfiber
V. C. Winding Depth	19 mm
Magnet Gap Depth	11 mm
Cone Material	Paper with Kevlar + glass fibers
Basket	Die cast aluminium
Magnet	Ferrite
Flux Density	1.15 T

THIELE-SMALL PARAMETERS

Fs	47.70 Hz
Qms	8.38
Qes	0.35
Qts	0.336
Vas	115.1 litres
Mms	92.95 grams
Re	5.06 Ohms
Sd	829.6 cm ²
Xmax*	±6.75 mm
Cms	0.12 mm/N
BL	20.07 T.m
Le at 1kHz	0.637 mH

1. AES standard. Power is calculated on rated minimum impedance. Measurement is in 120 L box enclosure tuned 56 Hz using a 40-400 Hz band limited pink noise test signal applied continuously for 2 hours.

2. Program power is defined as 3db greater than AES Power Capacity.

* Linear Mathematical Xmax is calculated as: $(Hvc - Hg)/2 + Hg/4$ where Hvc is the voice coil depth and Hg is the gap depth.

MOUNTING INFORMATION

Overall Diameter	388 mm
Baffle Hole Diameter	355 mm
Mounting Holes	8 with dia. 7mm
Bolt Circle Diameter	370/372 mm
Overall Depth	173.5 mm
Net Weight	9.2 kg

