



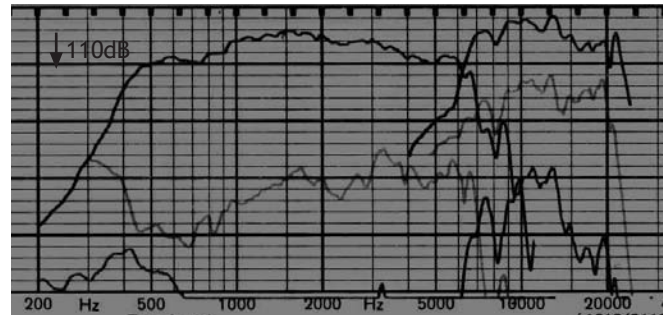
Features:

- Unique patented design
- Neodymium magnet assembly
- 300Hz Crossover
- Extended bandwidth (300 - 22.000 Hz)
- High efficiency
- Ultra lightweight and small size

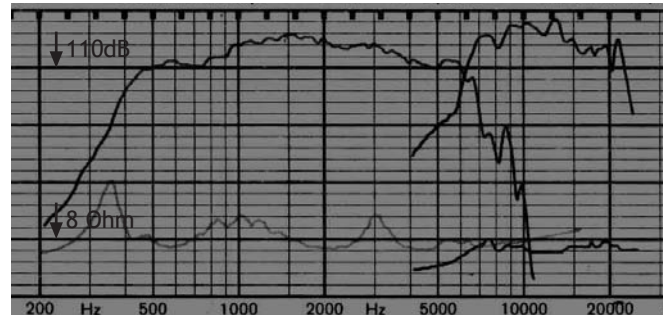
In a conventional full range compression driver the phase plug must be located extremely close to the diaphragm, excursion of the diaphragm is limited and middle frequency performance is compromised. A typical large diaphragm dome compression driver has a limited high frequency response. Over 8 kHz the dome diaphragm breaks up causing resonance and harsh, metallic sound. The patented design of the BMS 4594 is a result of extensive dedicated research and development providing dramatic improvement in dynamic response, clarity and transparency.

The BMS annular midrange diaphragm covers the frequency range between 300 and 7.000 Hz with a smooth, linear response. The large diaphragm excursion of max. +/-0,8 mm results in high output and increased power handling up to 1.300 W peak.

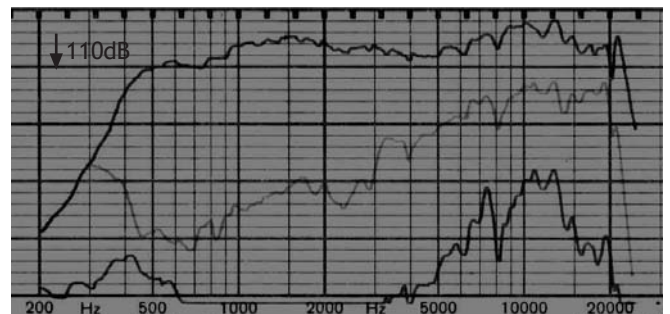
BMS 4594-8, 60° x 40° Horn, 2nd + 3rd harmonic distortion raised 10dB., SPL 1W / 1m



BMS 4594-8, 60° x 40° Horn, SPL 1W / 1m



BMS 4594-8, incl. passive crossover, 2nd + 3rd harmonic distortion raised 10dB., SPL 1W / 1m



SPECIFICATIONS

Throat diameter	1.4" (36 mm)
Nominal impedance	8 or 16 Ohm
Power capacity	
Middle range (AES)	150 W RMS above 400Hz
peak	1000 W peak above 500Hz
High range (AES)	80 W
peak	320 W
Sensitivity 1W/1m	118dB on 40° x 20° Horn
Frequency range (Hz)	200 - 22000Hz
Recommended crossover	300Hz
Middle frequency range	300 - 7000Hz
High frequency range	6000 - 22000Hz
Middle/High crossover	6300Hz
Voice coil high-range	1.75" (44.4 mm)
Voice coil mid-range	3.5" (90 mm)
Magnet material	Neodymium
Flux density (Tesla)	2
Efficiency	35% (300 - 5000Hz)
Voice coil material	Copper Clad Aluminium (2Layers in- and outside of the VC)
Voice coil former	Kapton™
Diaphragm material	Polyester
Mounting information	
Overall Diameter	132 mm (+/- 3 mm)
Depth	94 mm
Net weight	2.63 kg
4x M6 holes, 90° on 101.6 mm, 4" diameter	