4592ND

2” Coaxial neodymium compression driver

Features:

- Extended bandwidth (300 - 22000 Hz)
- Neodymium magnet assembly
- With two subsystems in one, each driver covers a smaller frequency range for increased power handling, high dynamic and extremely low distortion
- Excellent phase coherence
- Perfect time alignment without problems of multi-source interference
- Ultra light weight

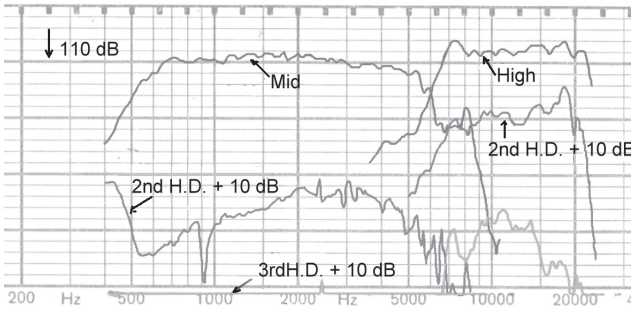
The patented design of the BMS 4592 is a result of extensive dedicated research and development providing dramatic improvement in dynamic response, clarity and transparency. The BMS annular midrange diaphragm covers the frequency range between 300 and 7000 Hz with a smooth, linear response. The large diaphragm excursion of max. + / - 0,8 mm results in high output and increased power handling up to 1300 W peak. The ultra light annular diaphragm for the high range offers exceptional transient response with very high efficiency from 6 to 22 kHz.

The unique voice coil technology employs a light weight Copper Clad Aluminum wire wound inside and outside of the Kapton™ former to improve the heat dissipation, dramatically increasing the acoustic output and reliability of the driver while minimises the power compression. The use of high grade neodymium magnets provide improved performance while significantly reducing transducer weight.
Also available as a midrange driver (4592ND-mid).

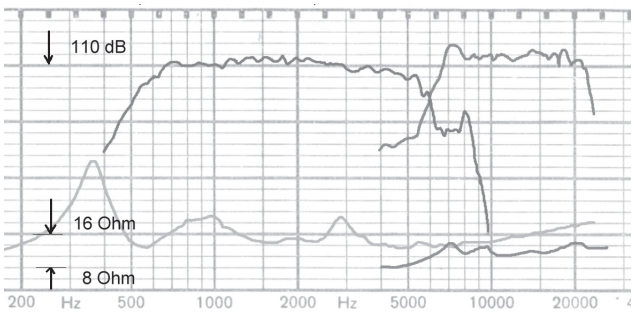
SPECIFICATIONS

Throat diameter	2" (50.8 mm)
Nominal impedance	8 or 16 Ohm
Power capacity	
Middle range (AES)	150 W above 400 Hz
peak	1000 W peak above 500 Hz
High range (AES)	80 W
peak	320 W
Sensitivity 1W/1m	118dB on 2242 Horn
Frequency range (Hz)	300 - 22000
Recommended crossover	300 Hz
Middle frequency range	300 - 7000 Hz
High frequency range	6000 - 22000 Hz
Middle/High crossover	6300 Hz
Voice coil high-range	1.75” (44.4 mm)
Voice coil mid-range	3.5” (90 mm)
Magnet material	Neodymium
Flux density (Tesla)	1.95 (mid), 2.0 (high)
Efficiency	35% (300 - 5000 Hz)
Voice coil material	Copper Clad Aluminum
	(2 layers inside and outside of the VC)
Voice coil former	Kapton™
Diaphragm material	Polyester
Mounting information	
Overall Diameter	132 mm (+/- 3 mm)
Depth	113 mm
Net weight	2 3 kg
4x M6 holes, 90° on 101.6 mm, 4” diameter	

BMS4592ND, 90°x60° Horn, 1W/1m, 4V RMS



BMS4592ND, 90°x60° Horn, 1W/1m, 4V RMS



BMS4592ND, including passive crossover, SPL 1W / 1m