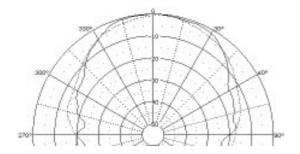# SMC8060

SM Series

KEY FEATURES

- High sensitivity: 107 dB
- Extended frequency range: 0.8 - 18 kHz
- Low harmonic distortion
- 1.75'' aluminium voice coil with polyimide former
- Excellent power handling: 50 w AES above 1.5 kHz
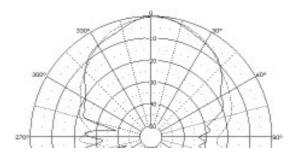- 80º x 60º horn

GENERAL DESCRIPTION

This combination of 1" compression driver and 80º x 60º horn is directed for the use in compact 2 way cabinets.
The compression driver features a lightweight mylar diaphragm attached to an edgewound aluminium wire voice coil, providing a wide and smooth frequency response, with reduced harmonic distortion and excellent efficiency. The coil-diaphragm assembly is easily field replaceable without soldering. The 80º x 60º horn assures a good dispersion control in a wide frequency range.
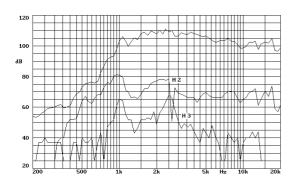
HORIZONTAL POLAR PATTERN

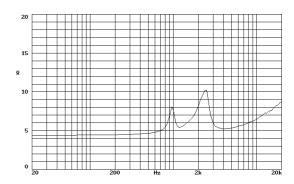Note: Discontinuous line: 6 kHz, Heavy line: 12 kHz

VERTICAL POLAR PATTERN

Note: Discontinuous line: 6 kHz, Heavy line: 12 kHz

FREQUENCY RESPONSE AND DISTORTION CURVES

FREE AIR IMPEDANCE CURVE

TECHNICAL SPECIFICATIONS

Rated impedance	8 ohms.
Minimum impedance	5.2 ohms. @ 4 kHz
D.C. Resistance	5.6 ohms.
Power capacity *	50 w AES above 1.5 kHz
Program power	100 w above 1.5 kHz
Sensitivity **	107 dB 1w @ 1m
Frequency range	0.8 - 18 kHz
Recom. crossover	1.5 kHz or higher, 12 dB/ oct. min.
Dispersion H x V	80º x 60º
Voice coil diameter	44.4 mm. 2.64 in.
Magnetic assembly weight	1.2 kg. 0.85 lb.
Flux density	1.65 T
BL factor	8.5 N / A

MOUNTING INFORMATION

Overall dimensions	140 x 136 mm.	5.51 x 5.35 in.
Depth	121 mm.	4.76 in.
Baffle cutout		
dimensions	130 x 115 mm.	5.12 x 4.53 in.
Net weight	1.5 kg.	3.3 lb.
Shipping weight	1.7 kg.	3.74 lb.

MATERIALS

- **Diaphragm:** mylar.
- **Voice coil:** edgewound aluminium ribbon.
- **Voice coil former:** polyimide.
- **Magnet:** ferrite.

DIMENSION DRAWINGS

Notes:

*The power capacity is determined according to AES2-1984 (r2003) standard.
Program power is defined as the transducer's ability to handle normal music program material.

**Sensitivity was measured at 1 m distance, on axis, 1 w input, averaged in the range 1-7 kHz.

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