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PROFESSIONAL LOUDSPEAKERS
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SMC-280/N
COMPRESSION DRIVER

KEY FEATURES

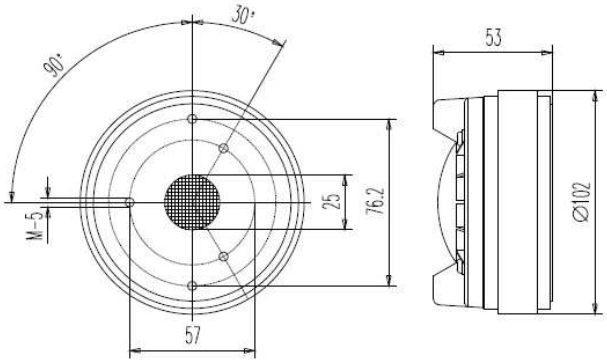
- 1 in. (25 mm) compression driver
- Power handling: 50 W_{AES} above 1,5 kHz
- High sensitivity: 105 dB (1W / 1m)
- Extended frequency range: 0,8 - 18 kHz
- Low harmonic distortion
- 1,75” edgewound aluminum voice coil
- Lightweight polyester diaphragm
- Ferrite magnet



TECHNICAL SPECIFICATIONS

Throat diameter	25 mm	1 in
Rated impedance		8 Ω
Minimum impedance		5,2 Ω @ 4 kHz
D.C. resistance		5,6 Ω
Power capacity*		50 W_{AES} above 1,5 kHz
Program power		100 W above 1,5 kHz
Sensitivity**		105 dB 1W/1m @ Z_N coupled to TD-245
Frequency range		0,8 - 18 kHz
Recommended crossover		1,5 kHz or higher (12 dB/oct min.)
Voice coil diameter	44,4 mm	1,75 in
Flux density		1,65 T
BI factor		8,5 N/A

DIMENSION DRAWINGS



MOUNTING INFORMATION

Overall diameter	102 mm	4,02 in
Depth	53 mm	2,08 in
Mounting	Three M5 threaded holes, 120º apart on 57 mm. (2,24 in) diameter circle Two M5 threaded holes, 180º apart on 76,2 mm. (3 in) diameter circle	
Net weight	1,3 kg	2,86 lb
Shipping weight	1,4 kg	3,10 lb

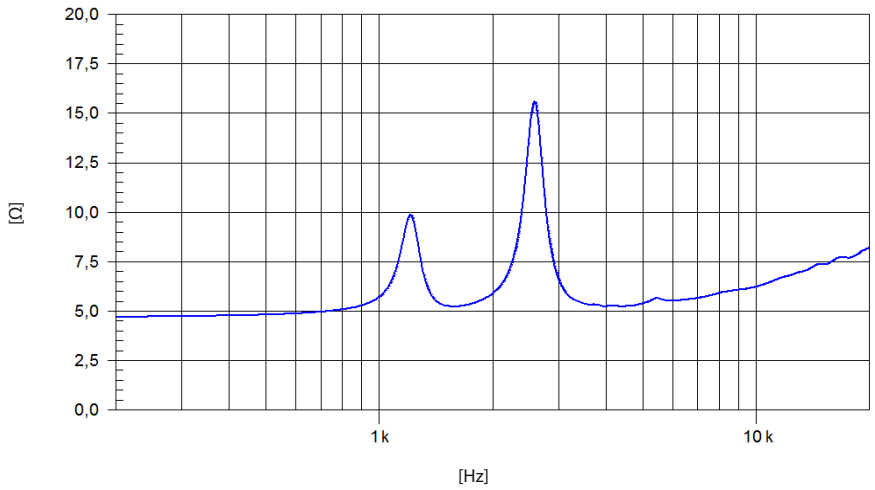
Notes:

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

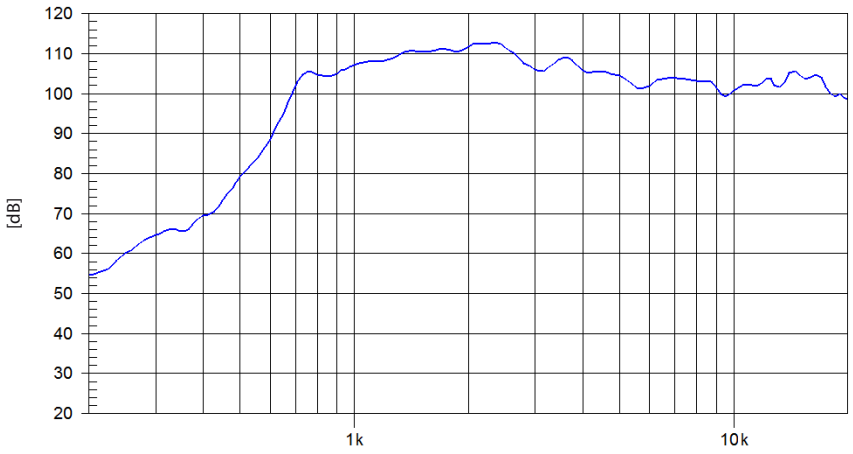
** Sensitivity was measured at 1m distance, on axis, with 1W input, averaged in the range 1 - 7 kHz.

SMC-280/N
COMPRESSION DRIVER

FREE AIR IMPEDANCE CURVE



FREQUENCY RESPONSE AND DISTORTION



Note: On axis frequency response measured coupled to TD-245 horn
in anechoic chamber, 1W @ 1m

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