10NDA610

High Output Neodymium Midrange

Key Features

103 dB SPL 1W / 1m average sensitivity (AIC on)

75mm Interleaved Sandwich Voice coil (ISV)

400 W continuous pink noise

Neodymium motor assembly

A.I.C. (Active Impedance Control) technology

Extremely high sound quality

Very shallow profile, 90 mm (3,5 in)

Humidity resistant cone assembly

GENERAL SPECIFICATIONS

NOMINAL DIAMETER	260mm	(10 in)
RATED IMPEDANCE	8 ohms	
CONTINUOUS PINK NOISE *(1)*	400 W	
SENSITIVITY *(2)*	103 dB	
FREQUENCY RANGE *(3)*	100 ÷ 6100 Hz	
MAX RECOMM. FREQUENCY	4000 Hz	
RECOMM.ENCLOSURE VOLUME	4 ÷ 15 lt.	(0,14 ÷ 0,53 cuft)
VOICE COIL DIAMETER	75 mm	(2,95 in)
NET WEIGHT	3,2 kg	(7,06 lb)

THIELE-SMALL PARAMETERS *(4)*

Fs	89 Hz	
Re	5,5 ohms	
Sd	0,035 sq.mt.	(54,25 sq.in.)
Qms	7,10	
Qes	0,24	
Qts	0,23	
Vas	18 lt.	(0,64 cuft)
Mms	30 gr.	(0,07 lb)
BL	20,3 Tm	
Linear Mathematical Xmax *(5)*	±2,5 mm	(± 0,10 in)
Le (1kHz)	0,06 mH	
Ref. Efficiency 1W@1m (half space)	98 dB	

(1) AES standard

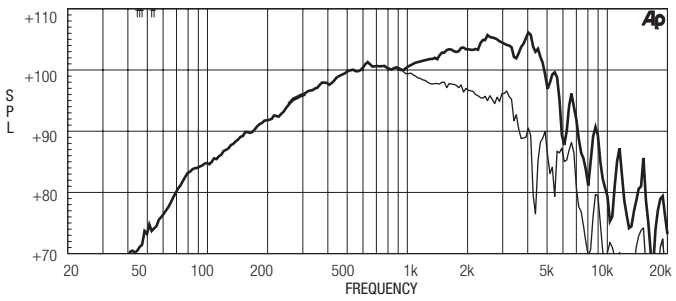
(2) Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone , at distance 1m from the baffle panel, when connected to 2,83 V sine wave test signal swept between 500Hz and 2500Hz with the test specimen mounted in the same enclosure as given for graph text below.

(3) Frequency range is given as the band of frequencies delineated by the lower and upper limits where the output level drops by 10 dB below the rated sensitivity in half space environment.

(4) Thiele - Small parameters are measured after the test specimen has been conditioned by 400 W AES power and represents the expected long term parameters after a short period of use .

(5) Linear Mat. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is gap depth.

FREQUENCY RESPONSE CURVE OF 10NDA610 (AIC ON) MADE ON 30 LIT. CLOSED ENCLOSURE IN FREE FIELD (4PI) ENVIRONMENT. ENCLOSURE CLOSES THE REAR OF THE DRIVER. THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE



FREE AIR IMPEDANCE MAGNITUDE CURVE WITH AIC ON