



2520 ^{8 Ω} 2530 ^{16 Ω}

APPLICATIONS

Midrange transducer dedicated to the reproduction of 200-5000Hz frequencies. Equipped with a progressive wave diaphragm for precise transcription of the midrange band.

Usable either for direct radiation in small volumes from 3L to 4L or for horn loaded application.

FEATURES

Power handling capacity
Reference efficiency(1W @ 1m)200 W AES
100 dB SPL
119 dB SPL
200-5000 Hz
OutdoorSPL max (continuous)119 dB SPL
200-5000 Hz
Outdoor

8". **20**cm Midrange Driver - High SPL Very High Sounding Quality

2520 - 2530

8" = 20 cm Midrange Driver

2520 2530

TYPICAL CHARACTERISTICS Rated impedance	Z	8	16	Ω	
Reference efficiency (1 W@1 m)	-	100	100	dB SPL	
Usable frequency range ¹	-	200-5000	200-5000	Hz	
Power handling capacity ²	(AES)	200	200	W	
Max Sound Pressure Level ³	SPLmax	119	119	dB SPL	
Min. impedance modulus	Zmin	6.4 @ 450Hz	12.9 @ 450 H	-lz Ω	
Voice-coil inductance ⁴ @ 1 kHz	Lelk	1.00	2.06	mH	
@ 10 kHz	Le10k	0.57	0.99	mH	
BI product	BL	14.3	20.9	N/A	
Moving mass	Mms	0.018	0.0182	Kg	
THIELE-SMALL PARAMETERS : TYPICAL (QC LIN	/ITS)				
Resonance frequency ⁵	Fs	90 (±13)	110 (±22)	Hz	
DC resistance ⁶	Re	6.0 (±0.6)	11.6 (±1.2)	Ω	
Mechanical quality factor	Qms	4.0	2.5	1	
Electrical quality factor	Qes	0.31	0.34	1	
Total quality factor	Qts	0.28	0.30	1	
Mechanical suspension compliance	Cms	170	115	10 ⁻⁶ m/N	
Effective piston area	Sd	0.0238	0.0241	m²	
Equivalent Cas air load	Vas	0.0135	0.0093	m ³	
Max. linear excursion	Xmax	±2.0	2.00	mm	
Linear displacement volume	Vd	0.048	0.048	10 ⁻³ m ³	
Half-space efficiency		3.1	3.6	%	
Unity load volume	Vas Qts ²	1.1	0.8	10 ⁻³ m ³	
ABSOLUTE MAXIMUM RATINGS					
Short term max. input voltage ⁷	Vmax	80	110	V	
Max. excursion before damage	Xdam	±4	4	mm	
Ambient operating temperature		-10 to +	50	°C	
Storage temperature ⁸		-20 to +2	70	°C	
Environmental conditions ⁹		Outdoor			
APPLICATION INFORMATION					
Air volume occupied by the driver ¹⁰		0.980		10 ⁻³ m ³	
Speaker net mass		4.480		Kg	
Recommended reflex box	Vb/Fb	3-4 / Seale	d	L / Hz	
Electrical polarity	A positive	A positive voltage applied on the red terminal			
	produces	s forward cone	motion.		

SPECIFICATION NOTES

- Note 1 : Allowing for energy response, excursion capability, Power spectrum, and -3dB low freq. roll-off for standard reflex tuning.
- Note 2 : Established at 20°C ambient temp, according to AES2-1984 standard using IEC268-1 simulated programme signal and a 3-4 liter sealed test enclosure with a 2nd order high-pass filter @ 300Hz.
- Note 3 : Established at 1m on axis of the loudspeaker mounted in test enclosure, when driven at full AES Power Handling Capacity, including 4dB of thermal compression loss.
- Note 4 : Measured at 20 mA in free air.
- Note 5 : Measured at 20 mA and 20°C ambient temp. in free air conditions, after full run and rest.
- Note 6 : Measured at 20°C ambient temp. QC limits are ± 10 %
- Note 7 : Stated in RMS voltage according to IEC 268-5.
- Note 8 : Includes shipping conditions. The lower limit prevents from demagnetization.
- Note 9: Our products are classified in three categories : Indoor, Outdoor, and Outdoor+ for permanent outdoor use or severe conditions.
- Note 10 : Calculated for front mounting on to a 18 mm thick board.



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