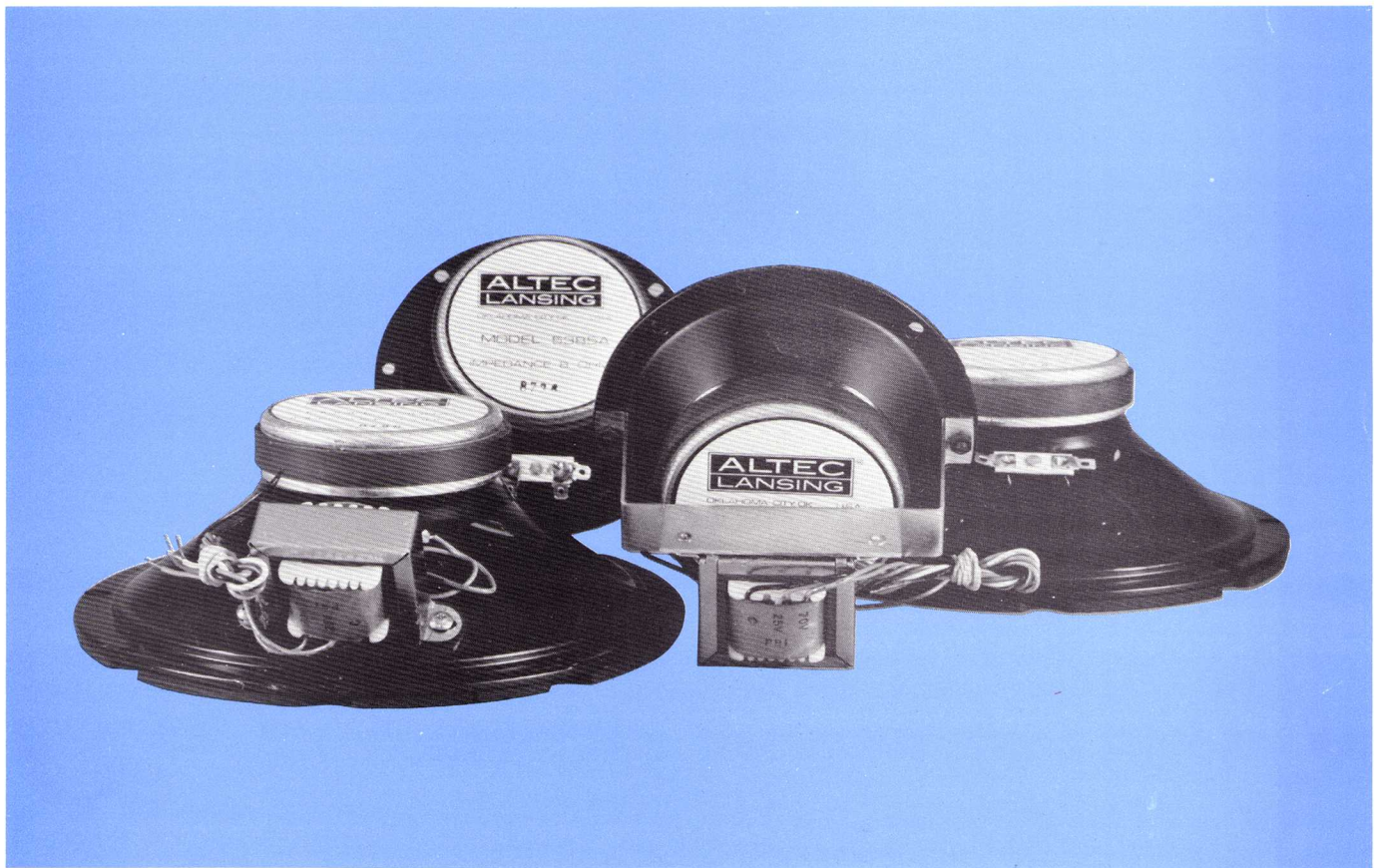


ALTEC[®]
LANSING

CEILING LOUDSPEAKERS

5382A AND 5384A (8")

5383A AND 5385A (4")



DESCRIPTION

The Altec Lansing 5384A ceiling loudspeaker is an 8" (20.3 cm) loudspeaker with whizzer cone built for the greatest economy in high-density distributed systems. It gives excellent performance and is suitable for speech or music. The Altec Lansing 5382A ceiling loudspeaker is the same as the 5384A, but with a transformer factory-mounted on it with primaries for 25 V and 70.7 V distribution systems, and taps drawing .5 W, 1.0 W, 2.0 W and 5 W from the amplifier. A full line of accessories for the 5382A and 5384A are available from Altec Lansing: 5100-series

back cans, 5200-series grille/baffle assemblies, and 5400-series mounting rings and frames.

The Altec Lansing 5385A ceiling loudspeaker is a 4" (10.1 cm) loudspeaker built for the greatest economy in high-density distributed systems, or for pewback systems. It has very wide coverage and can reproduce speech and music well. The Altec Lansing 5383A ceiling loudspeaker is the same as the 5385A, but with the same transformer used on the 5382A.

SPECIFICATIONS

	5384A	5382A	5385A	5383A
Nominal Size	8"	8"	4"	4"
Sensitivity 1 W, 1 M, 500 Hz — 3 KHz)	96 dB-SPL	94 dB-SPL	91 dB-SPL	89 dB-SPL
Frequency Response (± 5 dB)	80 Hz — 15 kHz	125 Hz — 15 kHz	90 Hz — 15 kHz	160 Hz — 15 kHz
Power Handling (AES)	10 watts	5 watts	10 watts	5 watts
Coverage (Measured with Half-space loading)				
(-6 dB (α 500 Hz)	110°	110°	160°	160°
(-6 dB (α 1 kHz)	97°	97°	145°	145°
(-6 dB (α 2 kHz)	70°	70°	140°	140°
(-6 dB (α 4 kHz)	50°	50°	90°	90°
(-6 dB (α 8 kHz)	50°	50°	45°	45°
Voice Coil Diameter	1"	1"	1"	1"
Impedance (for transformer models, impedance at 70 volt tap given, for 25 volt tap, divide by 8)	8 ohms	10,000 ohms 5000 ohms 2500 ohms 1000 ohms	8 ohms	10,000 ohms 5000 ohms 2500 ohms 1000 ohms
Thiele-Small Parameters:				
f_s	80 Hz	80 Hz	108 Hz	108 Hz
R_E	6.5 ohms	6.5 ohms	6.8 ohms	6.8 ohms
Q_{MS}	6.2	6.2	3.68	3.68
Q_{ES}	.92	.92	.79	.79
Q_{TS}	.80	.80	.65	.65
V_{AS}	2.4 Ft ³	2.4 Ft ³	1.23 Ft ³	1.23 Ft ³
S_D	32.2 In ²	32.2 In ²	9.1 In ²	9.1 In ²
X_{max}	0.05	0.05	0.05	0.05
V_D	1.61 In ³	1.61 In ³	0.46 In ³	0.46 In ³
Maximum Excursion before Damage (Peak to peak)	1/4"	1/4"	1/4"	1/4"
Magnet Weight	11.52 oz.	11.52 oz.	10 oz.	10 oz.
Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite
Physical Dimensions:				
Depth	2.75"	2.75"	2.0"	4.00"
Bolt Circle Diameter	7.68"	7.68"	4.72"	4.72"
Overall Diameter	8.1"	8.1"	5.2"	5.2"
Baffle Cutout Diameter	7.25"	7.25"	4.35"	4.35"
Standard Carton Quantity	12	12	12	12
Carton Weight	29 lbs.	37.0 lbs.	24 lbs.	32.0 lbs.

Line Matching Transformer: Secondary Impedance of 8 ohms. Primaries for 25 volt and 70 volt distribution lines with power taps at .5, 1.0, 2.0 and 5.0 watts.

Insertion Loss (α 1 kHz): 2 dB

Frequency Response (± 1 dB): 50 Hz — 15 kHz

T.H.D. (100 Hz — 10 kHz): <1%

Input Voltage 25/70 volts

.5 W Red
1.0 W Blue
2.0 W Yel
5.0 W Brn
Common Blk



P.O. BOX 26105, OKLAHOMA CITY, OK 73126-0105, U.S.A.

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