

Soft Dome Midrange ESOTAR® M-560 D

This soft dome midrange is the logical complementary to the world famous tweeter ESOTAR® T-330 D.

Many years of further research work was necessary to transfer the merits of this tweeter to this soft dome tweeter Extreme attention was given to the air flow behind the dome and inside the cavities. Experiments included rows of attempts

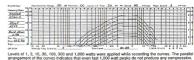
under vacuum conditions as well. The result is a very special shape of the vent in the pole piece where air turbulences as well as reflexions are controlled now Hard dome material of course is more easy to produce and to

work with, but once a soft dome has been designed and controlled correctly the results are superior due to lack of high resonance peaks. The magnet system using heavy magnet rings is assembled

with Inhouse turned iron parts with lowest tolerances and the total construction is assembled under lab conditions. The ESOTAR® M-560 D is delivered by matched pairs only.

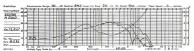


Dynamic Measurements



Signal: Tone-Burst 10 ms, Signal-Pause 1:50

MLSSA Waterfall Plot



Frequency response and impedance curve of the ESOTAR® M-560 D on-axis, 30° and 60° (dist. 1 m).



Thiele-Small Parameter: measured with Imp. corr. (6.8 ohms and 5.8 µF parallel).



Specifications ESOTAR® M-560 D



No. 1 res

O, mechanical	Q.,,	0.85
Q, electrical	Q.,	0.60
Q, total	o."	0.35
Besonance free air	-	325 Hz
force factor	ŘvI	6.75 Tm
eff. cone area	S.	28 cm²
moving mass	W.	3.1 g
lin, excursion (p-p)	Y	2 mm
max. excursion (p-p)		5 mm

inductance(10 KH: nom. impedance DC resistance	(3
Sensitivity	
Net weight	

Voice coll diameter

length lavers

> 2.83 V 2400 a Ø 155 x 85 mm

54 mm

8 ohms

4.5 ohms

see curve

The MLSSA measurements show the pulse response of the ESOTAR* M-560 D.

depending on crossove nominal (long term transient

>1000 W

Overall dimensions