



811435

TWEETER NEODYMIUM 1"/50mmØ

80W(max) TWEETER NEODYMIUM 1"/50mmØ - 53 NDT 26 25 SF FF

New compact design based on the original soft dome fabric which so far has only been used to produce Peerless high end tweeters. The soft fabric material guarantees very smooth and extended frequency response combined with the well known sound quality from our other tweeters. The small yet powerful Neodium magnet has been designed with emphasis on high temperature performance. The voice coil is ferrofluid cooled, furthermore, it is possible when dealing with very high power handling applications to fit a heat sink. Excellent solution for compact enclosures. Also recommended for "DeAppolito" configurations (MTM). Although not shielded, the stray magnetic field is extremely localized so this unit will suit close to monitor / TV type applications. Recommend crossover of about 3.8KHz with 12dB/Octave.

Nominal impedance	Zn	(ohm)8
Minimum impedance/at freq.	Zmin	(ohm/Hz)5.9/3162
Maximum impedance	Zo	(ohm)9.6
DC resistance	Re	(ohm)5.5
Voice coil inductance	Le	(mH)0.1
Resonance Frequency	fs	(Hz)1334
Mechanical Q factor	Qms	2.70
Electrical Q factor	Qes	3.66
Total Q factor	Qts	1.55
Mechanical resistance	Rms	(Kg/s)0.93
Moving mass	Mms	(g)0.30
Suspension compliance	Cms	(mm/N)0.05
Effective cone diameter	D	(cm)2.8
Effective piston area	Sd	(cm ²)6.2
Force factor	Bl	(N/A)2.0
Reference voltage sensitivity		
Re 2.83V 1m at 3162 Hz (Measured)		(dB)90.0
<u>Magnet and voice coil parameters:</u>		
Voice coil diameter	d	(mm)26
Voice coil length	h	(mm)1.4
Voice coil layers	n	2
Flux density in gap	B	(T)1.02
Total useful flux		(mWb)0.11
Height of the gap	hg	(mm)2.5
Diameter of magnet	dm	(mm)25
Height of magnet	hm	(mm)3
Weight of magnet		(kg)0.01
Order Code		811435

