



Peerless Data Sheet

53 NDT

53 NDT 26 25 SF FF 8/6 ohm - Order ID: 811435

The new neodymium dome tweeter from Peerless is based on an 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 powerful magnet system has been designed with emphasis on high temperature performance. The voice coil is cooled by ferrofluid to achieve low power compression. Furthermore, it is possible when dealing with very high power handling applications to fit a heat sink.



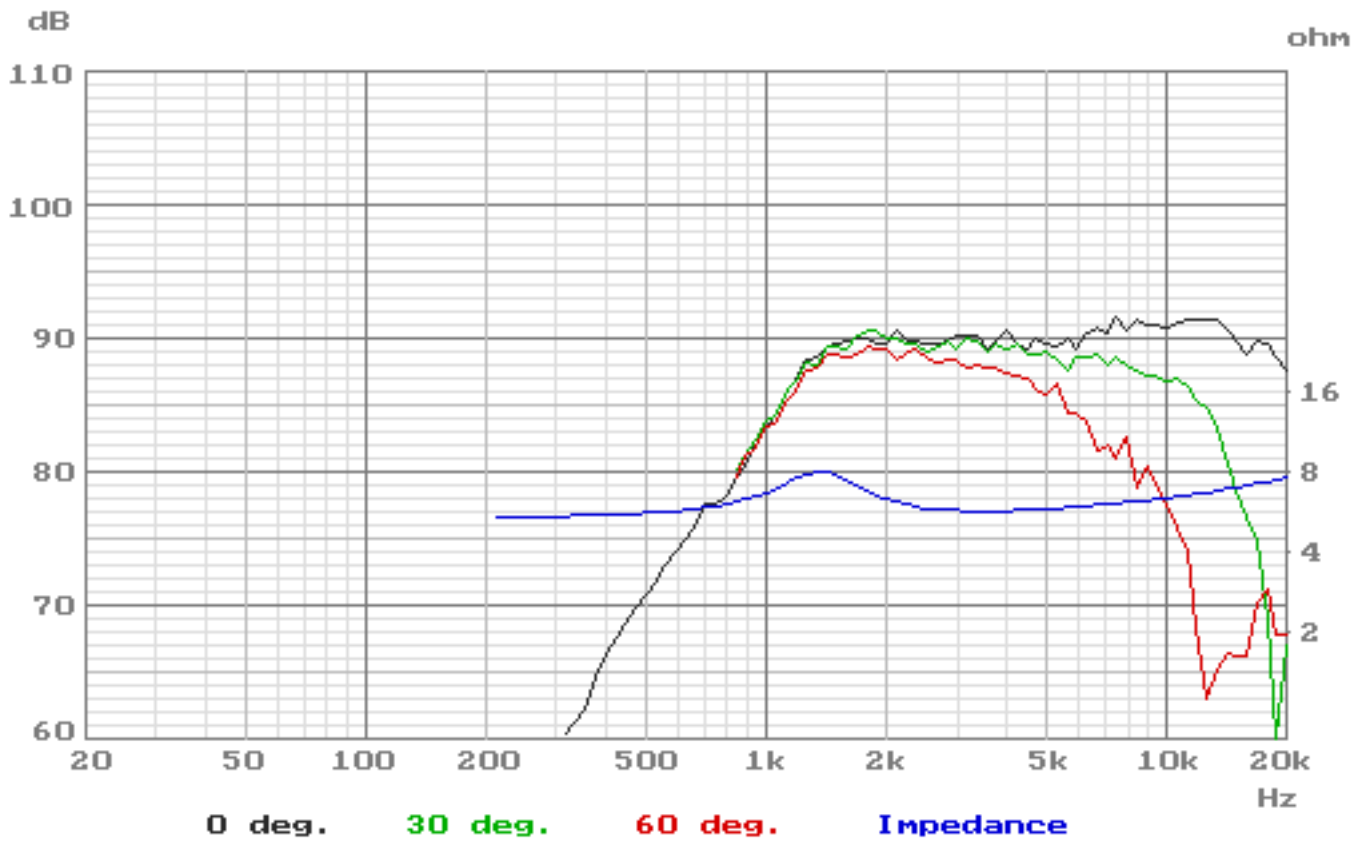
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Thiele Small parameters:

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)	90.1

Magnet and voice coil parameters:

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



Measuring methods and conditions are stated in Peerless Standard for Acoustic Measurements (PSAM)