

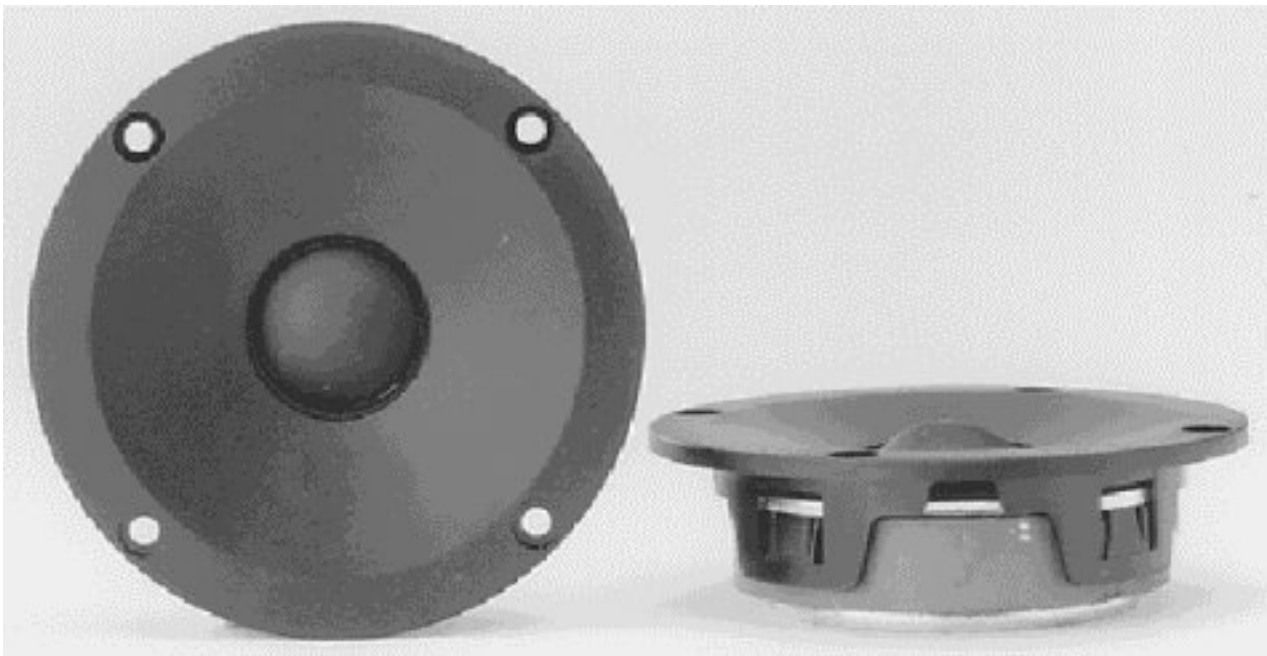


## Peerless Data Sheet

### DT 100 H

100 DT 26 72 SF WA 8 ohm - Order ID: 811815

A 1" dome tweeter with "wide angle" face plate. A remarkable feature of this 1" dome tweeter is its "controlled directivity". A general problem for tweeters is too much directivity in the high end and unwanted omnidirectionality in the low end. This new concept in dome tweeters has proved to give distinguished musical qualities. We highly recommend this unit for any demanding hi-fi construction.



### DT 100 H

#### Thiele Small parameters:

Nominal impedance	Zn	(ohm)	8
Minimum impedance/at freq.	Zmin	(ohm/Hz)	5.9/3100
Maximum impedance	Zo	(ohm)	30.5
DC resistance	Re	(ohm)	5.5
Voice coil inductance	Le	(mH)	0.1
Resonance Frequency	fs	(Hz)	860
Mechanical Q factor	Qms		4.31
Electrical Q factor	Qes		0.94

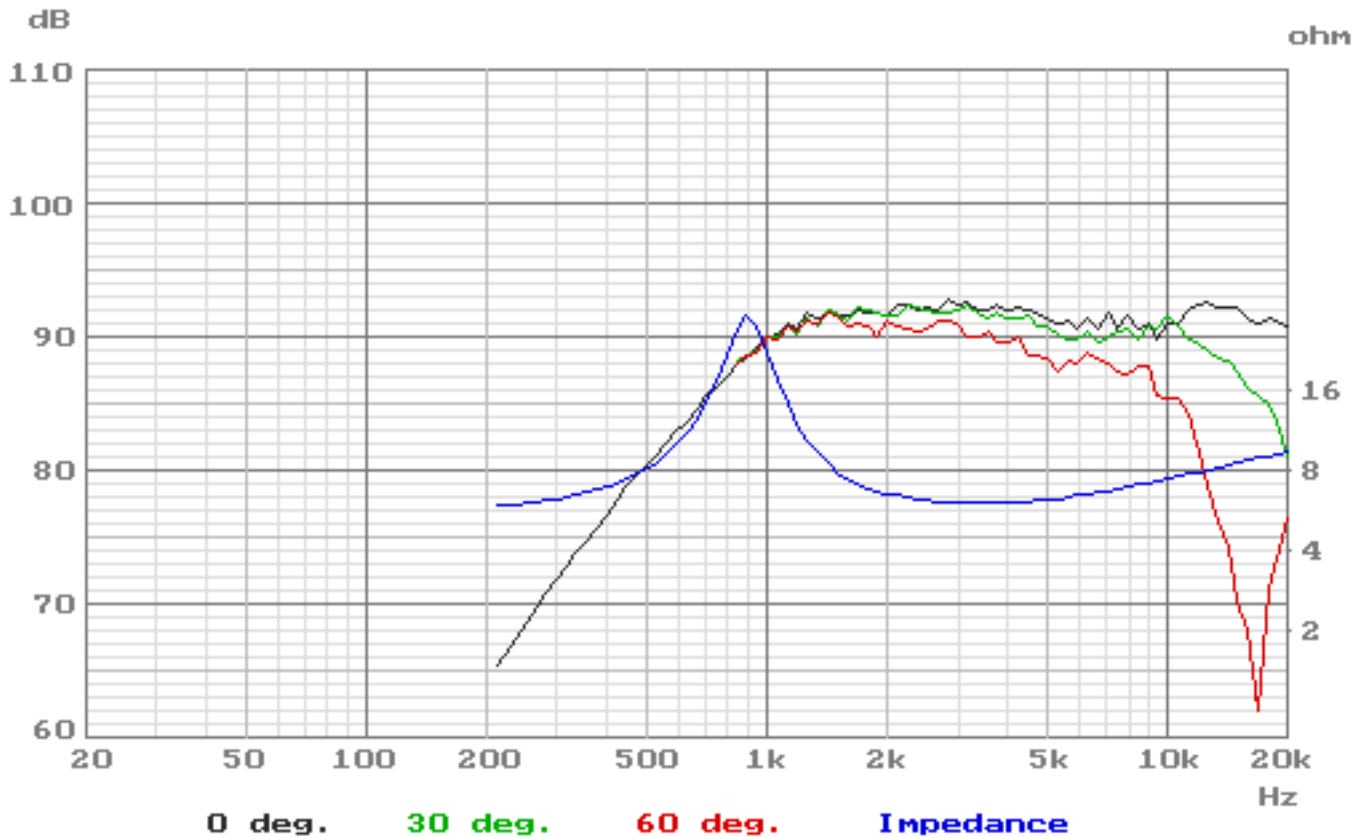
Total Q factor	Qts		0.77
Mechanical resistance	Rms	(Kg/s)	0.48
Moving mass	Mms	(g)	0.38
Suspension compliance	Cms	(mm/N)	0.09
Effective cone diameter	D	(cm)	2.8
Effective piston area	Sd	(cm <sup>2</sup> )	6.2
Force factor	Bl	(N/A)	3.5
Reference voltage sensitivity Re 2.83V 1m at 3100 Hz (Measured)		(dB)	92

Magnet and voice coil parameters:

Voice coil diameter	d	(mm)	26
Voice coil length	h	(mm)	1.8
Voice coil layers	n		2
Flux density in gap	B	(T)	1.5
Total useful flux		(mWb)	0.3
Height of the gap	hg	(mm)	2.5
Diameter of magnet	dm	(mm)	72
Height of magnet	hm	(mm)	15
Weight of magnet		(kg)	0.24

Power handling:

Long term Max System Power (IEC)	(W)	100
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Measuring methods and conditions are stated in Peerless Standard for Acoustic Measurements (PSAM)