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Peerless Data Sheet



HDT 100

100 HDT 26 72 SF 8 ohm - Order ID: 811647

Rigid horn dome tweeter with very high sensitivity. The combination of smooth frequency and clean sound combined with a high sensitivity makes it a unique choice. The dome is replaceable and has a self-centering assembly. The horn dome is recommended for boxes where a high output is needed.



HDT 100**Thiele Small parameters:**

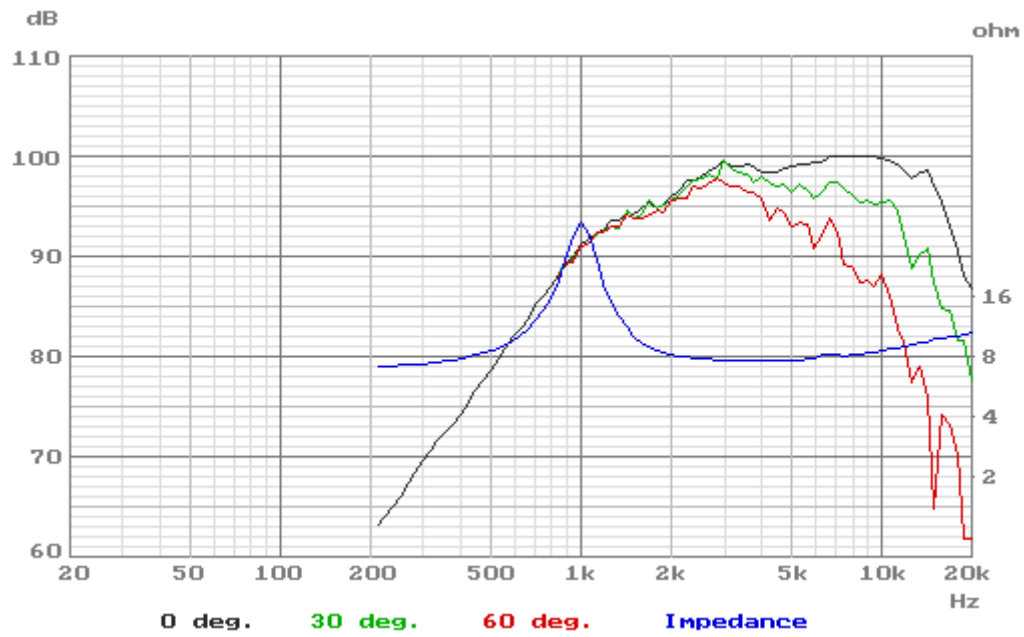
Nominal impedance	Zn	(ohm)	8
Minimum impedance/at freq.	Zmin	(ohm/Hz)	7.7/3730
Maximum impedance	Zo	(ohm)	40.4
DC resistance	Re	(ohm)	6.8
Voice coil inductance	Le	(mH)	0.1
Resonance Frequency	fs	(Hz)	1040
Mechanical Q factor	Qms		5.16
Electrical Q factor	Qes		1.04
Total Q factor	Qts		0.87
Mechanical resistance	Rms	(Kg/s)	0.33
Moving mass	Mms	(g)	0.26
Suspension compliance	Cms	(mm/N)	0.09
Effective cone diameter	D	(cm)	2.8
Effective piston area	Sd	(cm ²)	6.2
Force factor	Bl	(N/A)	3.3
Reference voltage sensitivity Re 2.83V 1m at 3730 Hz (Measured)		(dB)	99.0

Magnet and voice coil parameters:

Voice coil diameter	d	(mm)	26
Voice coil length	h	(mm)	1.6
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
Max linear SPL (rms) / by power		(dB/W)	111/25



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