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Peerless Data Sheet

CT 62 H

62 CT 13 40 PPB FF 8 ohm - Order ID: 801730

Small cone tweeter with ferrofluid. This tweeter removes all doubts about using a cone tweeter in hi-fi systems. The voice coil is cooled and damped by magnetic oil, and this viscous damping eliminates the rise in resonance. The impedance curve is nearly linear and it is therefore very easy to make cross overs for this speaker. An absolute excellent tweeter for use in smaller hi-fi systems especially as tweeter in satellites.



CT 62 H**Thiele Small parameters:**

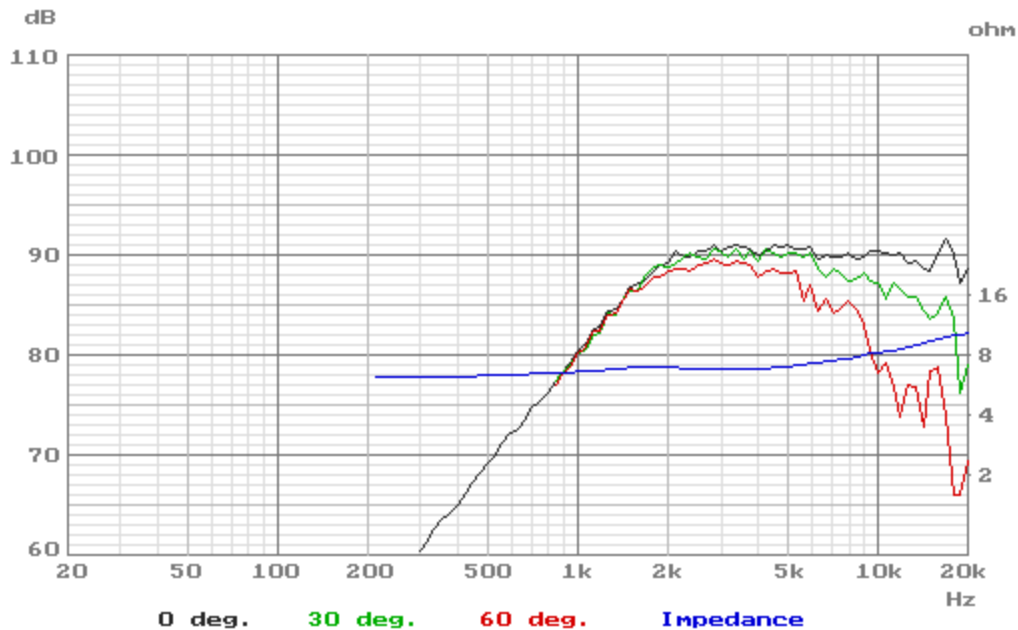
Nominal impedance	Zn	(ohm)	8
Minimum impedance/at freq.	Zmin	(ohm/Hz)	6.6/2600
Maximum impedance	Zo	(ohm)	6.9
DC resistance	Re	(ohm)	6.1
Voice coil inductance	Le	(mH)	0.1
Resonance Frequency	fs	(Hz)	1500
Mechanical Q factor	Qms		0.89
Electrical Q factor	Qes		7.07
Total Q factor	Qts		0.79
Mechanical resistance	Rms	(Kg/s)	3.01
Moving mass	Mms	(g)	0.28
Suspension compliance	Cms	(mm/N)	0.04
Effective cone diameter	D	(cm)	3.7
Effective piston area	Sd	(cm ²)	10.8
Force factor	Bl	(N/A)	1.5
Reference voltage sensitivity Re 2.83V 1m at 2600 Hz (Measured)		(dB)	90

Magnet and voice coil parameters:

Voice coil diameter	d	(mm)	13
Voice coil length	h	(mm)	1.8
Voice coil layers	n		2
Flux density in gap	B	(T)	1.0
Total useful flux		(mWb)	0.1
Height of the gap	hg	(mm)	2.5
Diameter of magnet	dm	(mm)	40
Height of magnet	hm	(mm)	7.5
Weight of magnet		(kg)	0.04

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)