

## HDS 1" Tweeter



Type Number: 810921

### Features:

The new Peerless HDS tweeter builds on Peerless' long history of tweeter design by optimizing several key design elements for pure, clean music reproduction. The HDS tweeter uses a very light, low mass "soft dome" with high internal damping, and a highly-optimized, low-compression magnet system, which was designed especially for the low mass dome. The result is a driver that has both good sensitivity and an impressive range into the lower frequencies.

The low mass dome, coupled with a fully vented motor system provides non-compressed sound reproduction over the entire frequency response. This combination allows the HDS tweeter to be used in systems with lower cross-over points than is recommended for most normal tweeters, making this product a powerful tool for any acoustic designer in the process of tuning a system.

The HDS tweeter is ideal for use in applications including home entertainment, studio monitors, and general hi-fi systems.



### Specs: PRELIMINARY

#### Electrical Data

Nominal impedance	Zn	8	ohm
Minimum impedance	Zmin	--	ohm
Maximum impedance	Zo	--	ohm
DC resistance	Re	5.6	ohm
Voice coil inductance	Le	--	mH

#### T-S Parameters

Resonance Frequency	fs	700	Hz
Mechanical Q factor	Qms	--	
Electrical Q factor	Qes	--	
Total Q factor	Qts	--	
Force factor	Bl	--	Tm
Mechanical resistance	Rms	--	Kg/s
Moving mass	Mms	--	g
Suspension compliance	Cms	--	mm/N
Effective cone diameter	D	--	cm
Effective piston area	Sd	--	cm <sup>2</sup>
Equivalent volume	Vas	--	ltrs
Sensitivity		93	dB

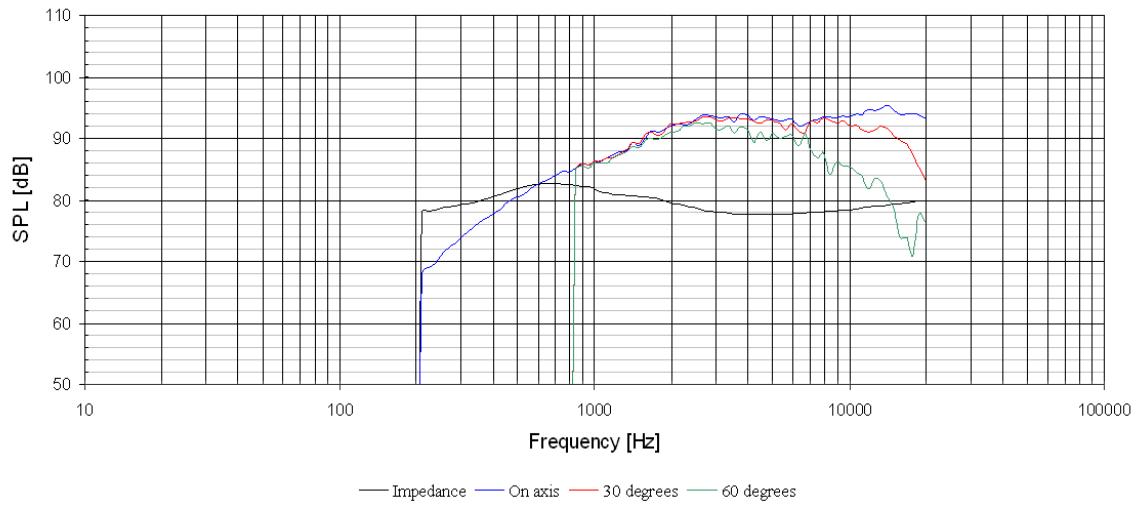
#### Power handling

Long-term Max System Power (IEC)	--	W
Short Term Max power	--	W

#### Voice Coil and Magnet Parameters

Voice coil diameter	26	mm
Voice coil height	1.5	mm
Voice coil layers	2	
Height of the gap	2.5	mm
Flux density of gap	--	mWb
Total useful flux	--	mWb
Diameter of magnet	72	mm
Height of magnet	22	mm
Weight of magnet	--	Kg

**Frequency: PRELIMINARY**



**Mechanical Dimensions:**

