



# “OW II”

High-End  
20 mm (3/4") Soft Dome Tweeter  
by Hiquphon

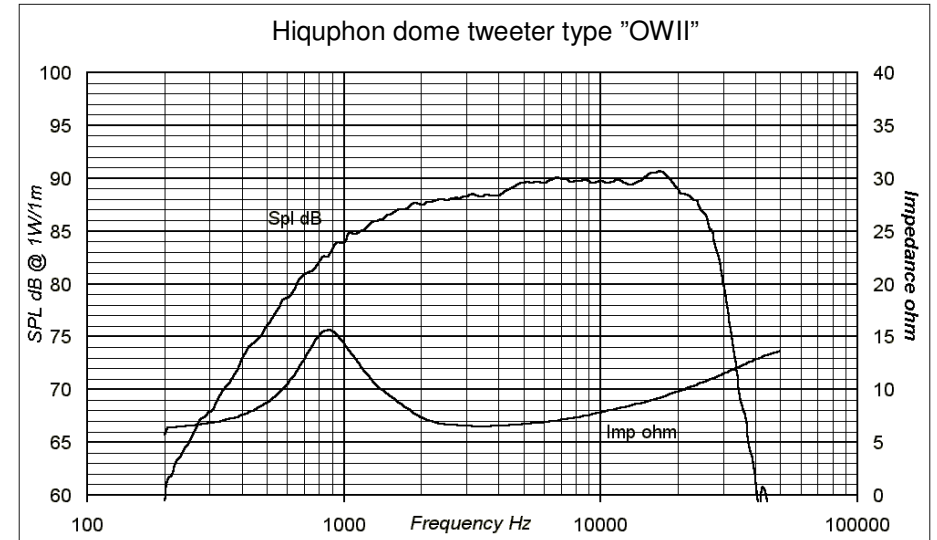
*OWII is a soft dome tweeter (3/4") offering a unique analytic capability and high sensitivity. A very musical dome tweeter!*

*Very fast responding (settling), analytical and matched to secure excellent stereo perspective.*

*Excellent for use in high-end 3-way loudspeaker systems in general. Also a great choice for 2-way loudspeaker systems using broad-banded mid-bass drivers matching the quality of the tweeter.*

*OWII was designed mainly for use in private home loudspeakers but is also being used with great success in studio monitors because of its very low distortion, analytical response and very close matching.*

Average acoustical data		
Nominal sensitivity SPL (1W/1m)	dB	90
Recommended frequency range *)	kHz	2.5 - 20
Frequency range 90 dB -1 dB	kHz	4.5 - 19
Frequency range 90 dB -3 dB	kHz	2 - 22
Nominal resonance frequency Fs +/-10%	Hz	900
Nominal impedance (at 10 kHz)	ohm	8
Minimum impedance (at ~ 3.5 kHz)	ohm	6.5
DC resistance (at 0 Hz)	ohm	5.8
Peak impedance +/- 15% at Fs	ohm	15
Voice coil inductance	mH	0.03
Rated power *)	Watt	100
THD + N at 1W sinus / 2.5-22 kHz	%	<0.2
Acoustical center relative to front	mm	-11.3
Dome diaphragm diameter nominal	mm	20
Voice coil diameter nominal	mm	20
Voice coil winding height	mm	3
Air gap height	mm	1.2
Peak - peak movement max recomm.	mm	1.8
Flux gap density	Tesla	1.4
Effective cone area	mm <sup>2</sup>	380
Dynamic moving mass	mg	160
Measuring conditions: Temp / humidity	°C&%rH	20 / 50
*) Using crossover with 12 dB or higher		
Mechanical data		
Diameter flange (all over)	mm	94
All over height of unit	mm	41.5
Diameter body (Box hole: add 1 mm)	mm	68.5
Thickness flange	mm	3.7
3 screw holes on dividing circle dia.	mm	82.2
Diameter screw holes, countersunk	mm	4.3
Leads dimension max accepted	mm	2.5
Color chassis, standard	#	black
Color dome diaphragm	#	black
Gross weight	kg	0.36



## Special features:

- Great frequency linearity 3 – 20 kHz, raising upwards.
- Extremely fast transient response
- Excellent phase linearity
- Low and well damped resonance frequency
- Well controlled and well damped low frequency response, soft raising
- Broad-banded (2 kHz to 22 kHz, nominal –3 dB)
- Very low distortion
- A-periodic damped moving system
- Exponential horn-loaded phase-correction
- Saturated magnet gap for low magnetic distortion
- Perfect sealed housing
- Heavy duty connectors for 2.5 mm lead wire non-vibrating
- Large soldering joints using large-surface copper plated PCB inside
- Shock absorbing construction
- Selected as matched pairs +/- 1/2 dB at 2 kHz—20 kHz
- Original data curves supplied as part of the package
- Packed as two-in-a-box with original curves included, ready for resale.
- Beautiful sound capabilities
- Please observe that this tweeter is NOT magnetic shielded!

♥ *to music with love...*