



HIQUPHON
Loudspeaker parts

to music with love....



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Thank you for buying this Hiquphon product

Yours sincerely

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Denmark is a Kingdom in Scandinavia, Europe
and a member of the European Union

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OW 2 -92-FS

High-End
"classic black"
by Hqiphon

20 mm (3/4") Soft Dome Tweeter

Matched within 0.5 dB in frequency area 2 - 20 kHz

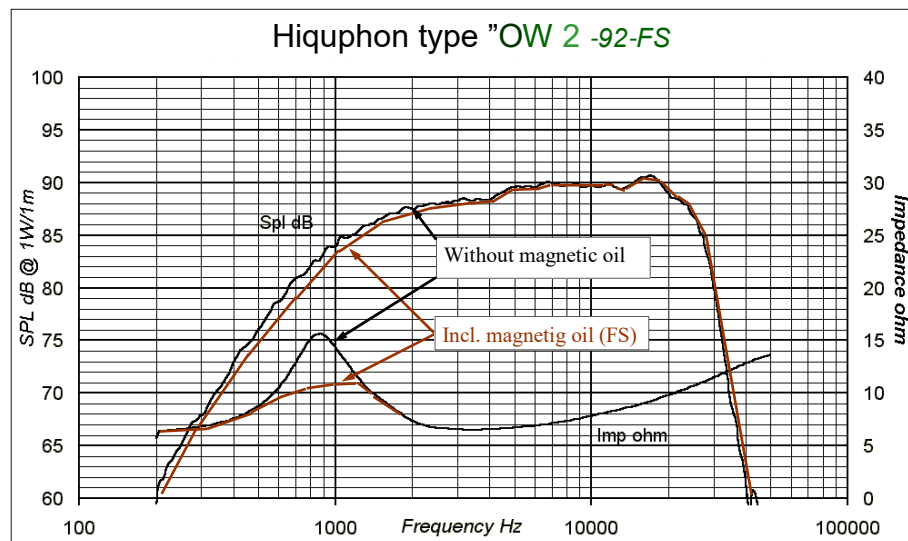
Soft dome tweeter (3/4") offering a unique analytic capability and high sensitivity.

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

Excellent for 3 way systems in general, but also a fine choice with 2 way systems when mid-woofer is broad-banded and match the quality of the tweeter.

Designed to be used in domestic speakers only (home audio).

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 +/-15%	Hz	1 kHz
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 ²	380
Dynamic moving mass	mg	160
Measuring conditions: Temp / humidity	°C&%rH	20 / 60
*) Using crossover with 12 dB or higher		
Mechanical data		
Diameter flange (all over)	mm	92
All over height of unit	mm	41.5
Diameter body (Box hole: add 1 mm)	mm	68
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: (FS option = Magnetic oil in air gap.)

- 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...*