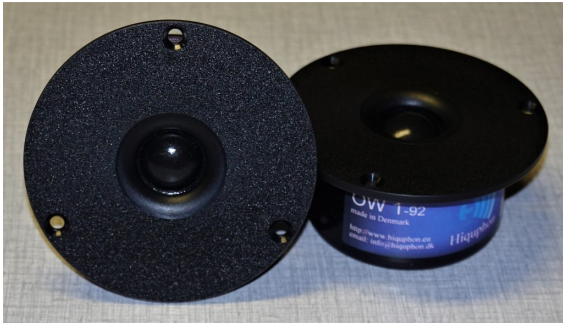




to music with love...



HIQUPHON

to music with love...

Thank you for buying this Hiquphon product

Yours sincerely

.....
Oskar Wroending (OW)
Manager and single owner of

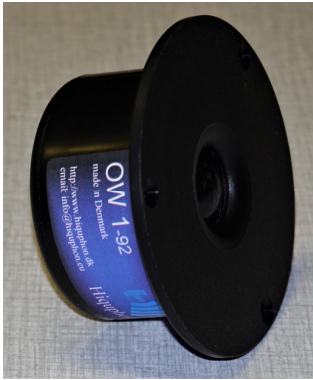
HIQUPHON, Denmark

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

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“OW1-92”

“classic black”

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

Matched within 0.5 dB in frequency area 2 - 20 kHz

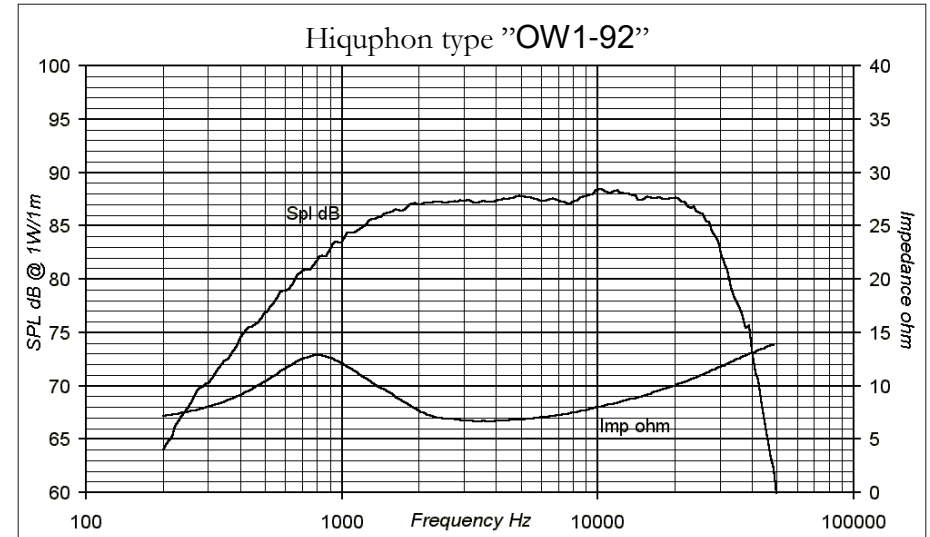
OW 1 is a soft-dome tweeter (3/4”) that offers unique broadband frequency response and great analytic ability. A very musical tweeter!

It is a natural choice for 2-way as well as for 3-way high-end speakers.

Due to its extremely wide-banded response, OW 1 is used in a substantial number of advanced 2-way loudspeaker designs.

Although it is designed for private home speakers, the OW 1 has proven extremely useful as a highly valued high-frequency transducer in studio monitors due to its very linear, neutral, and uncolored clean sound reproduction, and not least its high production quality and close pair-matching.

| Average acoustical data | | |
|---|-----------------|----------|
| Nominal sensitivity SPL (1W/1m) | dB | 87 |
| Recommended frequency range *) | kHz | 2.5 - 25 |
| Frequency range nominal 87 dB -1 dB | kHz | 1.5 - 22 |
| Frequency range nominal 87 dB -3 dB | kHz | 1.0 - 25 |
| Nominal resonance frequency Fs +/--10% | Hz | 850 |
| Nominal impedance (at 10 kHz) | ohm | 8 |
| Minimum impedance (at ~ 3.5 kHz) | ohm | 6.7 |
| DC resistance (at 0 Hz) | ohm | 5.8 |
| Peak impedance +/- 10% at Fs | ohm | 14 |
| Voice coil inductance | mH | 0.03 |
| Rated power *) | Watt | 100 |
| THD + N at 1W sinus / 2.5-25 kHz | % | <0.15 |
| 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 | 175 |
| Measuring conditions: Temp / humidity | °C&%rH | 20 / 50 |
| *) 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 | 68,5 |
| 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 OW1-92:

- Excellent frequency linearity 2 – 20 kHz +/- 1 dB (+/- 0.5 dB typical)
- Excellent phase linearity
- Smooth roll-off at high frequencies
- Low and well damped resonance frequency
- Well controlled damped low frequency response, soft raising
- Very broad-banded (1.0 kHz to 25 kHz nominal –3 dB or better)
- Fast transient response
- Very low distortion
- A-periodic damped moving system
- Exponential phase-correction horn-loaded
- Saturated, rounded magnet gap for low magnetic distortion
- Perfect sealed housing
- Heavy duty connectors for up till 2.5 mm lead wire, non-vibrating, air tight
- Large soldering joints using large-surface copper plated PCB inside
- Shock absorbing construction
- Selected as matched pairs within 0.5 dB between 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...*