

Panphonics audio elements for multi-way speakers

Panphonics Oy produces loudspeaker elements having a flat and light weight structure. The elements function by the electrostatic principle. The patented construction includes two porous stators, between which a moving diaphragm is attached.

Audio elements are used as such for speech and entertainment audio reproduction. When flat transducers with large radiating area are used, the created sound field is highly directive. However, the element structure enables manufacturing of elements with large variation of sizes and shapes, varying in frequency response and directivity characteristics accordingly. What is not changed with the dimensional characteristics is the exceptional clarity of sound provided by the Panphonics audio elements. Excellent accuracy of the impulse response is achieved by the special construction of the element.

As the elements are very thin, having the thickness of only 4 mm, the low frequency output is limited. We at Panphonics encourage you to test our loudspeaker elements together with best available low frequency transducers for active two-way constructions or to use narrow Panphonics audio elements as high frequency transducers in a multi-way construction. .

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