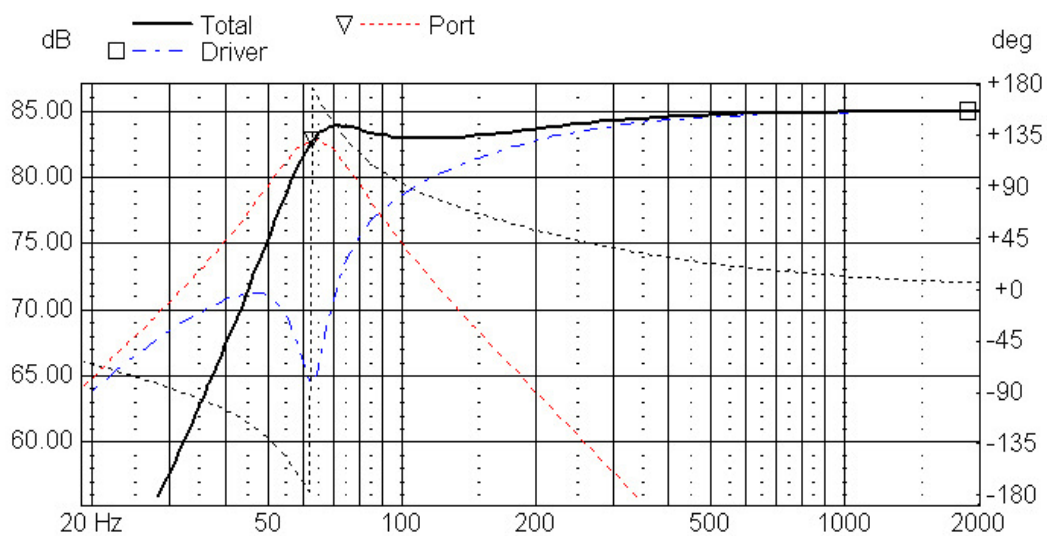




To meet the demand for loudspeaker components that will work in compact enclosures and still have a satisfying hi-fi quality sound, the Seas R&D team has developed this new product.

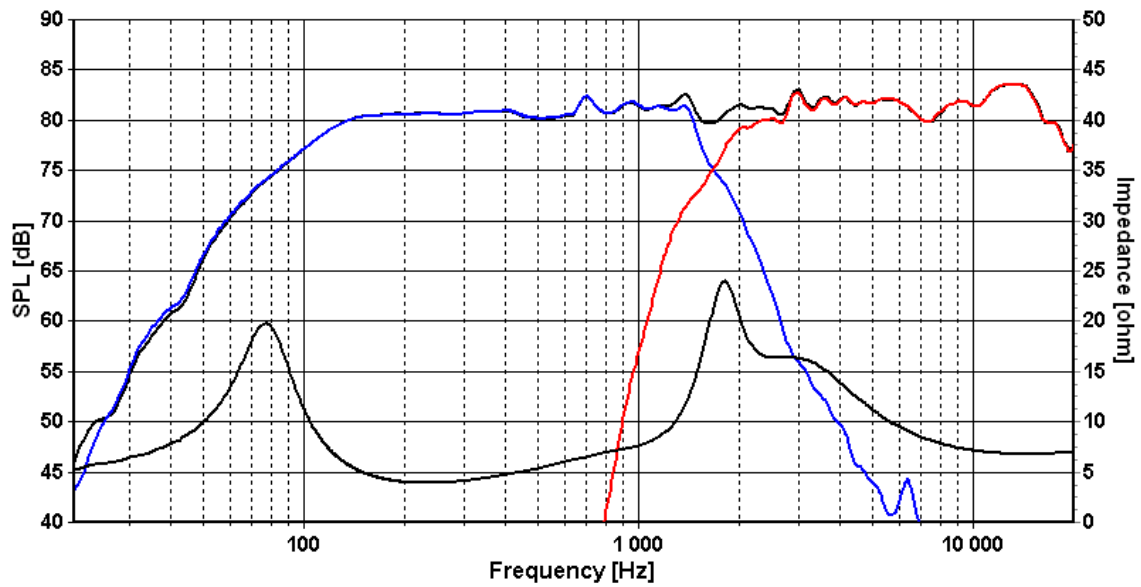
The L12RE/XFC is a coaxial driver with a mid-woofer using an aluminum cone, and a soft dome tweeter mounted inside the woofers voice coil. Built after Seas' traditional high standards, the components are carefully inspected before the assembly in this compact, but still complicated product.

The simulated half-space response shows an extended frequency response in a 2.5 liter vented enclosure. The Helmholtz resonance is placed at 63 Hz. To keep the enclosure at a minimum, the port is made like a shelf in the full width of the cabinet and exits to the front side to allow for placement close to a wall or in a bookshelf.



The extended bandwidth from this compact loudspeaker will deliver a truly satisfying listening experience to the critical listener.

The crossover design in this application note will result in a system with a very flat frequency response.



The 2.nd order lowpass, and 3.rd order highpass make the drivers make the drivers sum in phase at the crossover frequency.

Crossover for H1602-04/06 L12RE/XFC

