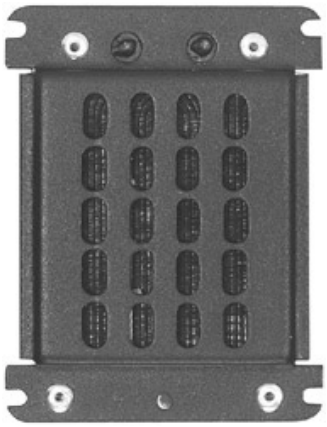
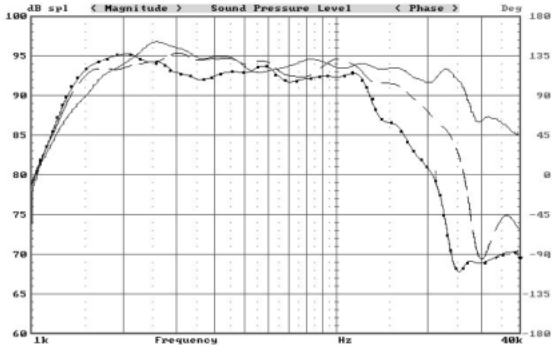
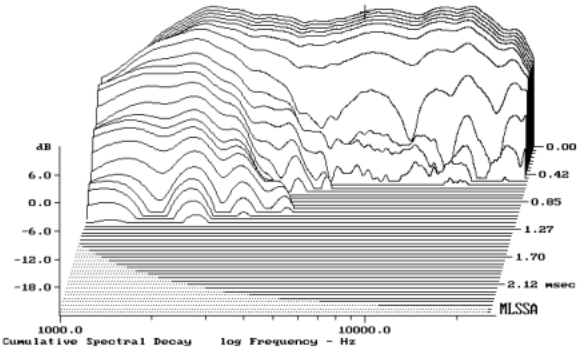
NEO3PDR Wide-Dispersion Transducer



The Neo3 PDR represents a new breakthrough solution in planar transducer technology from Bohlender Graebener Corporation. Its patent pending innovative PDR design is based on our Neo3 tweeter and stands for Progressive Drive and Radiation technology. The NEO3 PDR has a strategically arranged magnet system that drives the voice coil with a distributed electromagnetic force that resembles the natural shape of the diaphragm displacement at lower frequencies. A specific resistive acoustical loading is accomplished by locating absorbing material in the very close proximity of the periphery part of the diaphragm. This “contact free” resistive loading, unlike other widely used dampening techniques, does not reduce effective diaphragm size and it does not increase mass of the diaphragm thus allowing to low frequency extension and ultimate signal resolution. The NEO3 PDR provides a smoother frequency response and wider horizontal dispersion than the standard NEO3 model, at the expense of a lower sensitivity.



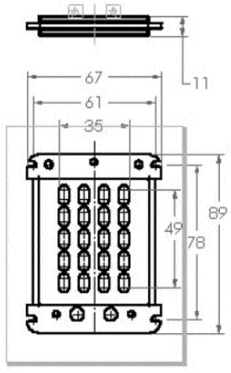
Neo3PDR on and off axis, with standard faceplate and back cup



Sample Neo3PDR Cumulative Spectral Decay, varies by configuration

Specifications

1	Effective frequency range (recommended LF crossover point): Standard version Dipole or with a tuned rear chamber or in an array	 2000 Hz – 28000 Hz 1200 Hz - 26000 Hz
2	Sensitivity (2.83V/1m) Averaged in 2kHz- 20 kHz range Standard version Dipole	 93.5 dB 90.5 dB
3	Impedance (resistive) DCR	4 ohm 3.5 ohm
4	Power handling: RMS Program Peak	 10 W 20 W 50 W
6	Weight	300 g (.65 lbs.)



B & G Corp.
NEO 3 Tweeter (raw body without face plate and back cup)