Subject: Resonance
Posted by Mike.e on Sun, 07 Nov 2004 08:04:22 GMT
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A unit with higher rate of roll off has worse transient response.I guess because its more reactive over a smaller area.Better>worse response1st order dipole2nd order Sealed/horn4th order Ported4th/6th order Bandpass8th+ BandpassPorts use stored energy to enhance bass output. The air has mass,the method of the port stores energy til 'later'.When designing bandpass subs,the whole idea of them is loudness,so quality suffers.Cone excursion on bandpass systems are lower than ported and sealed-but the fact is,in the time domain,once started in motion the sound doesnt stop quickly enough on a resonant system