
Subject: Re: Interesting New Line Array Design

Posted by [darkmoebius2](#) on Wed, 30 Sep 2009 00:20:36 GMT

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selahaudio wrote on Tue, 29 September 2009 09:38 I've used the Aura version (they may make these too) and it's exceptionally good. This is a great option and has serious extension advantages over the Peerless 830987 3" I was looking at. Scaena uses this driver(modified) in their \$60k-80k line arrays.

Electrical Data

Nominal Impedance Z_n 8 ohm

Minimum Impedance Z_{min} 6.4 ohm

Maximum Impedance Z_o 50.6 ohm

DC Resistance R_e 6.1 ohm

Voice Coil Inductance L_e 0.5 mH

TS Parameters

Resonance Frequency f_s 103 Hz

Mechanical Q factor Q_{MS} 5.9

Electrical Q factor Q_{ES} 1.12

Total Q factor Q_{ts} 0.94

Ratio f_s/Q_{ts} F 110

Force Factor Bl 2.95 Tm

Mechanical Resistance R_{ms} 0.28 Kg/s

Moving Mass M_{ms} 2.45 g

Suspension Compliance C_{ms} 965.2 mm/N

Effective cone diameter D 6.3 cm

Effective Piston Area s_d 31.1 cm²

Equivalent Volume V_{as} 1.16 ltrs

Sensitivity 2.83V/1m 83.8 dB

Ratio Bl/v R_e 1.4
