Subject: Eminence PSD:3006 - 2" Driver
Posted by dB on Sat, 03 Feb 2007 18:48:26 GMT
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Hi Wayne,The Specs from Eminence are working allready (see below).Now I can see that resonance is about 511Hz. Not bad, taking in account that PSD 2002's is 550Hz. Le is a bit high (doesn't show on specs). Re looks as normal at 4.8ohms (the same as in other drivers). Maybe is a bit short after 10K but compensation (and horn) is (or can be) the miracle. Voice coil diameter is huge at 3" (76.2mm).Yet, compare this monstrous driver with this one (D3300Ti-2") not much less in size, 102dB at 20K applying 1W/1m, frequency response 500 to 25,000 Hz (-10dB) and on plane wave tube 117 dBSPL.Wayne, I know your meticulous work with all the drivers (Eminence included) is a great work. After you tested it for your applications post us updated. You might then have 6 (six) different working high freq. drivers (or tweeters) on all your setups. ... at least here in your webpage. I don't want to know about, in your lab/workshop... much less in the big Grand Concert Hall.Regards
PSD 3006 2" Driver (.pdf)

Subject: Re: Eminence PSD:3006 - 2" Driver
Posted by Wayne Parham on Sat, 03 Feb 2007 23:49:30 GMT
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The response curve of the PSD3006 on the Community SH494 horn looks pretty good to me. I'm anxious to get one in and test it for myself.

Subject: Re: Where do you find it?
Posted by Bill Epstein on Tue, 06 Feb 2007 00:43:13 GMT
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I checked Parts Epress and the Eminence website. No mention. Obsolete?

Subject: Re: Where do you find it?
Posted by dB on Tue, 06 Feb 2007 01:09:58 GMT
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Hi bill,which speaker is "obsolete" so to say, Eminence or Selenium.
previous post

Subject: Re: Where do you find it?
Posted by Wayne Parham on Tue, 06 Feb 2007 06:04:04 GMT
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The PSD3006 is a brand new driver. Eminence just made it available in 2007.

Subject: Re: Eminence PSD:3006 - 2" Driver
Posted by Crazy Dave on Tue, 06 Feb 2007 21:17:51 GMT
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If the Eminence does not work out, you might want to take a look at this:The price is good for a 2" exit and Radian has a good reputation.Dave
Radian 651PB-8

Subject: Re: Eminence PSD:3006 - 2" Driver
Posted by Wayne Parham on Tue, 06 Feb 2007 21:36:22 GMT
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Thanks for the heads-up!

Subject: Re: Eminence PSD:3006 - 2" Driver
Posted by Crazy Dave on Fri, 09 Feb 2007 17:25:13 GMT
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Aluminum compression drivers have nice high frequency extension without the peaks of titanium. They are more fragile but for home use that is less of a problem depending on how you listen.Dave

Subject: Re: Eminence PSD:3006 - 2" Driver
Posted by Wayne Parham on Sat, 10 Feb 2007 04:39:17 GMT
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Way, way back when, I used a Fostex super-tweeter with an aluminum diaphragm. Loved it. It

was the only horn tweeter I've heard with the sparkle of a ribbon, good clear out to 40kHz. But it was very delicate, low power handling, and minimum crossover frequency was 5kHz. So it didn't really fit with anything. It wasn't a match for full horn-loaded speaker systems, because it was too delicate to match their dynamic range. And it wasn't a match for direct radiators, because it was too dynamic for use with them. It was in-between, in a place that I couldn't find a good home for, much as I tried. But it sure was a nice sounding tweeter.

Subject: Re: Eminence PSD:3006 - 2" Driver
Posted by Crazy Dave on Wed, 14 Feb 2007 03:25:37 GMT
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You can't play music too loud in many of the Japanese domiciles. They also like low powered amps. Since the Radian drivers are designed for pro environments, I doubt they are as fragile as the Fostex super tweeters. A lot of the treasured Altec-Lancing compression drivers have aluminum diaphragms.Dave

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Subject: Re: Eminence PSD:3006 - 2" Driver
Posted by dB on Thu, 15 Feb 2007 01:24:12 GMT
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Hi Dave,the conversation is interesting at least, sorry for interfering in your thread.Do you have a Radian driver? Do they published their curve for the level output, 'cause I think I didn't see one. (I have a powerful phenolic driver, 108dBs, to go after a paper 5" mid at 3k800Hz). I only tested the driver and I think that they will make a great pair for high frequencies. Regards

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Subject: Re: Eminence PSD:3006 - 2" Driver
Posted by Crazy Dave on Mon, 19 Feb 2007 17:55:48 GMT
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Sorry to get back to you so late! I do not own a Radian driver. There are curves on their website and on the Parts Express website.Dave

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Subject: Re: Eminence PSD:3006 - 2" Driver
Posted by dB on Mon, 19 Feb 2007 23:15:18 GMT
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Some of the guys that are doing also a great job is RCF from Italy.
Is like they have very powerful speakers. Check their latest line of RCF TTL33A (BASS - TTS18A, TTS28A). But instead they go with a 1" (x3) drivers for the line arrays (with ...the utilisation of a new type of amplifier originally developed in Denmark by B&O).
Sorry Wayne, I like your passive crossovers. New Age is... they have a computer to program their speakers and amps. Nice.
Best Regards
RCF TTL33A

Subject: Re: Eminence PSD:3006 - 2" Driver
Posted by viren on Sat, 25 May 2013 03:14:34 GMT
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Hi,

Calling up an old thread - but, does anyone have experience with the Eminence PSD3006 compression driver?

I'm looking for a large format compression driver, and the PSD3006 is available to me at reasonable prices. I'll be using it with a LeCleach horn. Any chance of it being reasonably full range, so that a super-tweeter isn't required?

Regards,
Viren

Subject: Re: Eminence PSD:3006 - 2" Driver
Posted by Wayne Parham on Sat, 25 May 2013 04:10:34 GMT
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I used to run 'em with top-octave compensation and you can get them to touch the top-octave, but just barely. On a LeCleach horn, the collapsing directivity will provide some EQ, but I would still recommend a little more.
Eminence PSD3003
