
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 already (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 Express 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

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

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

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
