
Subject: Is there a low cost alternative to JBL 2405 slots?

Posted by [GarMan](#) on Mon, 18 Jul 2005 17:21:14 GMT

[View Forum Message](#) <> [Reply to Message](#)

Ideally, I'd like to add a set of 2405's to my current 2-way setup of 2235 and 2445 + DIY Smith Horns. I think the sensitivity, frequency range and directivity of the 2405 will integrate very well with the 2445 set up. However, these things are bloody expensive, even in the used market. Are there any low-cost alternative to these tweeter? Something that'll give me 85% of the performance at 20% of the cost? I've been tweaking around with a pair of Eminence APT-80 and they sound pretty good, but dispersion is very narrow. I think these APT may be the alternative that I'm looking for, but would appreciate any recommendations.Gar.

Subject: Re: Is there a low cost alternative to JBL 2405 slots?

Posted by [Wayne Parham](#) on Mon, 18 Jul 2005 23:23:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

Beyma makes a 2405 clone that sounds very nice.

Beyma CP21F

Subject: El Cheapo

Posted by [wunhuanglo](#) on Tue, 19 Jul 2005 04:46:42 GMT

[View Forum Message](#) <> [Reply to Message](#)

Might be worth a try at the price

Economy First

Subject: Re: El Cheapo

Posted by [GarMan](#) on Tue, 19 Jul 2005 12:17:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

Thanks for the suggestion. Sensitivity is lower than what I'd like but I really like the -6dB rolloff between 10K to 20K. This means that I can just use a simple first order high-pass set at just below 20K.

Subject: Re: Is there a low cost alternative to JBL 2405 slots?
Posted by [GarMan](#) on Tue, 19 Jul 2005 16:44:20 GMT
[View Forum Message](#) <> [Reply to Message](#)

Wayne, Thanks for the lead. Looks like a nice driver and only 1/2 the price of the JBL. Still too expensive though and for that price I'd rather spend a little bit more for a pair of used JBL.

Subject: Re: Is there a low cost alternative to JBL 2405 slots?
Posted by [Crazy Dave](#) on Wed, 20 Jul 2005 17:17:12 GMT
[View Forum Message](#) <> [Reply to Message](#)

I've never tried it but I wonder how it would sound if you built a mini Smith for the APT. The dispersion would match! Dave

Subject: Re: Is there a low cost alternative to JBL 2405 slots?
Posted by [GarMan](#) on Thu, 21 Jul 2005 12:08:24 GMT
[View Forum Message](#) <> [Reply to Message](#)

I had exactly the same thought but don't know where to begin with the design. I know a bunch of guys on [audioheritage.org](#) have built smith horns for 1" exit compression drivers like the JBL 2426. Wonder if the same design can be used for an APT?

Subject: Re: Is there a low cost alternative to JBL 2405 slots?
Posted by [Crazy Dave](#) on Thu, 21 Jul 2005 15:55:06 GMT
[View Forum Message](#) <> [Reply to Message](#)

I don't see why not. I think it would be a question of scale. The crossover frequency should determine the size. If you give it a try, I'd be very interested in your results! Hi-frequency roll-off might also be an issue. There are some very knowledgeable people over at [audiheritage](#). Someone might know how to calculate it. Wayne (Pi) might also know. Dave

Subject: Re: ST-320
Posted by [Art J.](#) on Tue, 26 Jul 2005 02:15:47 GMT
[View Forum Message](#) <> [Reply to Message](#)

The ST-320 has a solid aluminum frame compared to the 324. I use these in one of my speaker sets and they easily beat the much-touted EV T-35s that they replaced. <http://comsecint.com/selenium/downloads/ST3201.pdf>
ST-320 pdf
