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Subject: Re: two cents from a 2370 user and compensation circuit!!!!

Posted by [Adrian Mack](#) on Mon, 24 Feb 2003 05:51:50 GMT

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Hey Thomas, thanks for your input. I'm glad to see you've had success with the P.Audio stuff. >\*note in my experience 2370's need less compensation than many > other horns. A .33 or .22mF should work fine, but that depends on > the compression driver. I remember thinking the P Audio had good > top end when I considered it a while back. It should do great.Hmmm, I've just went back to Waynes compensation figures, it says use a 0.47uF bypass cap to remove attenuation on the top octave with a resistor picked from the chart below:

Ohms	Decibels
Power=====0.0	0dB
100%2.5	2.4dB
58%5.0	4.2dB
38%7.5	5.4dB
27%10.0	7.0dB
20%15.0	9.2dB
12%25.0	12.3dB
5.9%34.0	14.4dB
3.6%37.5	15.1dB
3.1%41.0	15.7dB
2.6%50.0	17.2dB
1.9%	

You've told me 33 or .22mF should be fine with this horn/driver combo, is this for the bypass cap? How do I convert mF to uF? Oh yea, what sort of caps should I use? (greencaps, MKT's, electrolics or however you spell it lol). I just realized I dont know how to pick what resistor to use from the chart above lol. Although wayne said a 25 or 50ohm in most cases should work well. How can I determine from the above what is needed?Thanks! Adrian

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