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Subject: Re: R2R ladder dac's

Posted by [Wayne Parham](#) on Thu, 03 Oct 2019 17:33:23 GMT

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You're right that the key to quality is precisely matching resistor values. It's kind of like tube matching. You just get a ton of 'em and measure to find exact matches. The resistors are cheap, so that's not a problem. It's the time it takes to do it that might be kind of a drag.

That little board would be great for an 8-bitter. But I think I'd prefer more resolution than that.

Look for something like this:

Analog Devices LTC1597

You could go to a higher resolution than 16-bits, but I'm not sure you would benefit from it 'cause the minute differences of resistor values would probably be greater than the increased resolution you gained.

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