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Subject: Here's a thought

Posted by [Wayne Parham](#) on Fri, 13 May 2005 05:06:46 GMT

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Some of the better grade capacitors use pure copper and even silver film plates. Caps the size we're talking about here are generally less than 400pF and are no larger than about 102 inches total plate area, with ~1/32nd inch air gaps between plates. For low voltage circuits, the gap can be smaller, making higher capacitance or smaller plate areas possible. Capacitors like these could easily be made with aluminum, copper or silver film sheets, trimmed to size. One way to do it is to make several 1" square layers separated with wax paper or whatever other insulator is desired. If you want air as the dielectric, just use thicker plates so they don't flex and touch. Separate them with thin nylon washer spacers and hold them together with nylon screws. That way you'd get the flexibility of tuner caps while using better quality materials. Just a thought.

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