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Subject: Plate Choke Miller Capacitance

Posted by [moray james](#) on Fri, 10 Jun 2005 19:59:33 GMT

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Is there a practicle way to reduce or eliminate the miller capacitance of a plate choke? I ask as I am wanting to use a plate choke to filter the output of a high voltage supply for an electrostatic loudspeaker. It has been suggested that the stator insulation of an ESL can store enough charge to modulate the resistively coated diaphragm. This then can couple back to the high voltage supply. So the choke has been suggested as a fix to this concern and found to be effective. The choke recommended is a ten H choke with six chambers to reduce miller capacitance. These chokes are expensive. I am wondering if there is a way to use an inexpensive choke and somehow neutralize the internal miller capacitance? Any suggestions help or advice would be welcome. Best regards Moray James.