
Subject: Re: The shunt capacitance of grid and anode chokes

Posted by [MQracing](#) on Sat, 03 Dec 2005 18:14:06 GMT

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Hi Damir:you asked rhetorically::::I really don't know can we use those chokes with "working quiescent DC current" of say, 40mA?:::well... like you said... it depends...1) can you afford to drop 98 to 112 volts depending on if you run at 35 or 40 mils dc. And what is the ac vector addition to the heating current... which we don't know and will be determined by the core losses and the inductive reactance of the choke and the magnitude of the ac volts across it...by any standard notion or industry practice that I've seen... this level of voltage drop and winding resistance would be considered too high for the stated current levels. 2) other thing you'd want to consider... what is the resultant temp rise of the unit... is the temp rise so high that it really puts the unit in danger (by danger I mean in excess of it's ul ratings for insulations, and magnet wire type used and etc)...but I don't want to monday morning QB another company's design or etc... I was just pointing out... the obvious... what the voltage drops and the copper power losses were under the conditions published.perhaps it would work just fine for someone, somewhere....msl
