Subject: gapped Iron
Posted by PakProtector on Sat, 22 Apr 2006 10:24:11 GMT
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Hey-Hey!!!,I finally got my custom C-core grid chokes installed in my HY69 amp. While measuring them with a minimum(no intentional or additional)gap, I got about 1k2 Hy from end to end at a few volts signal. This would provide a nice 600 Hy load to each of the PP phases. The inductance was clearly varying(increasing greatly that is) with signal. In wiht some spacers. With a clamp to tension them, and finely adjust the gap(and therefore inductance), I adjusted the gap to yeild 650 Hy end-to-end. The inductance is no longer varying so drastically with signal. The self resonant frequency is not varying with signal either(Cw stays the same, as L varies, so does self resonance).It sounds wonderful. This gapping experiment is going to continue with PP output TX's. Small gaps, and with other parameters monitored and adjusted to deal with reduced inductance. The better behaved the core is, the better the circuit will work.cheers,Douglas