
Subject: 6S19P-V as line stage, driver, or phase splitter tube?

Posted by [Norris Wilson](#) on Mon, 20 Mar 2006 20:05:42 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hey Douglas or anyone else, Have you used the 6S19P-V/6C19Pi tube as a line stage, driver, or concertina phase splitter? Douglas, this tube specifically in your Guinevere line stage? Norris Wilson

Subject: Re: 6S19P-V as line stage, driver, or phase splitter tube?

Posted by [PakProtector](#) on Tue, 21 Mar 2006 20:54:59 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hey-Hey!!!, I have not got my tubes yet. Soon... Remember, this pipe has a realizeable μ of ~ 2 . Up to 3 if you run a lot of current through a CCS. With R_p of $\sim 500R$, and 5W of plate dissipation, it should be an excellent choice for a split-load PI. B+ of ~ 350 , and 3k load resistors. Or a linestage with $\sim 300V$ B+ and a 5k plate load. 200V across the load, and 80V a-k, with the rest as cathode-ground. I am going to use them for a low voltage hybrid cascode as in Merlin v2, with the gates between 30 and 50V. Mmmmmhhhh... creat-a-pentode. cheers, Douglas

Subject: Re: 6S19P-V as line stage, driver, or phase splitter tube?

Posted by [Norris Wilson](#) on Tue, 21 Mar 2006 21:55:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

Douglas, that sounds good. I will be looking forward to your opinion of the results with this tube. Please keep us informed? Norris Mmmmmmmmm, the forbidden dounnut!

Subject: Re: 6S19P-V as line stage, driver, or phase splitter tube?

Posted by [PakProtector](#) on Tue, 21 Mar 2006 23:09:05 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hey-Hey!!!, Yes, I'll write up how the valves work. They're remarkably inexpensive, so I am getting a good quantity. The hybrid cascode Schmitt Inverter circuit needs near perfect match between the two triode sections. For low μ valves, it has not been my experience to find close matches easily. For GE 5-Star 5687, they are soo close as to deserve 'perfect', but that's a whole 'nother pipe(errr...tube). The μ of 2-2.5 achievable with resistive plate loads is appealing. The little bit more gain than is available from a buffer circuit is just what the doctor ordered. I do hate the idea of throwing away gain like I would if I build around a crappy 12AU7. With the μ of 6 from the

12B4, and 1 from a buffer the 6C19 looks like Baby-Bear's porridge...just right!cheers,Douglas
