
Subject: Re: Test Points

Posted by [Damir](#) on Sun, 23 Jan 2005 08:00:27 GMT

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

B+ is about 200V, anode voltage (between anode and ground) is about 110 V, cathode voltage (voltage drop through 2 red LED, between the cathode and ground) about 3,5V. Most of the voltage drop from B+=200V to the $U_a=110V$ is through the upper mosfet, lower would drop maybe $U_{ds}\sim 1,5V$ or so. Upper mosfet must be mounted on the small heatsink. Use thermal-conductive insulation. Voltage through "current set" resistor (~ 100 Ohms in the schematics, use trim-pot of 500 Ohms - 1k, from the most resistance to the lower resistance) by Ohms Law is $U=R*I$. Be carefull, high voltages are dangerous. PS cap can be charged for a long time after switching off, use resistive bleeder. Last time I forgot this (270uF charged at 430V, nice electro-shock)...
