

USING THE K7DYY SUPER SENIOR A M TRANSMITTER

The microphone connections are the same as for the K7DYY, Senior transmitter although the level will need to be reset. Pin 1 is ground, pin2 is audio, 600 ohms at 0dBm nominal. Pin3 is +8V to power the audio processor and pin4 is push to talk which is activated by a switch closure to ground.

The MUTE/PTT connector on the rear panel has single pole double throw relay contacts for receiver muting and another PTT connection. Pin 1 is ground, pin2 is PTT, pin3 is normally closed mute contact, pin4 is the pole and pin5 is the normally open contact. The mute relay contacts are rated for 120v at 1A maximum.

The Super Senior has peak limiting at about 1,500 watts PEP. This is provided to protect the transmitter and should not be reached under normal use. It is expected that the external audio chain will provide suitable compression or limiting which should activate below the transmitter's limiting threshold. Otherwise, distortion and splatter can result similar to negative overmodulation.

The transmitter has wide audio bandwidth, in excess of 10KHz. It is essential that the external audio source provide the proper overall audio bandwidth limits.

The SWR protection display HIGH SWR and will latch the transmitter off. It can be reset by cycling AC power.

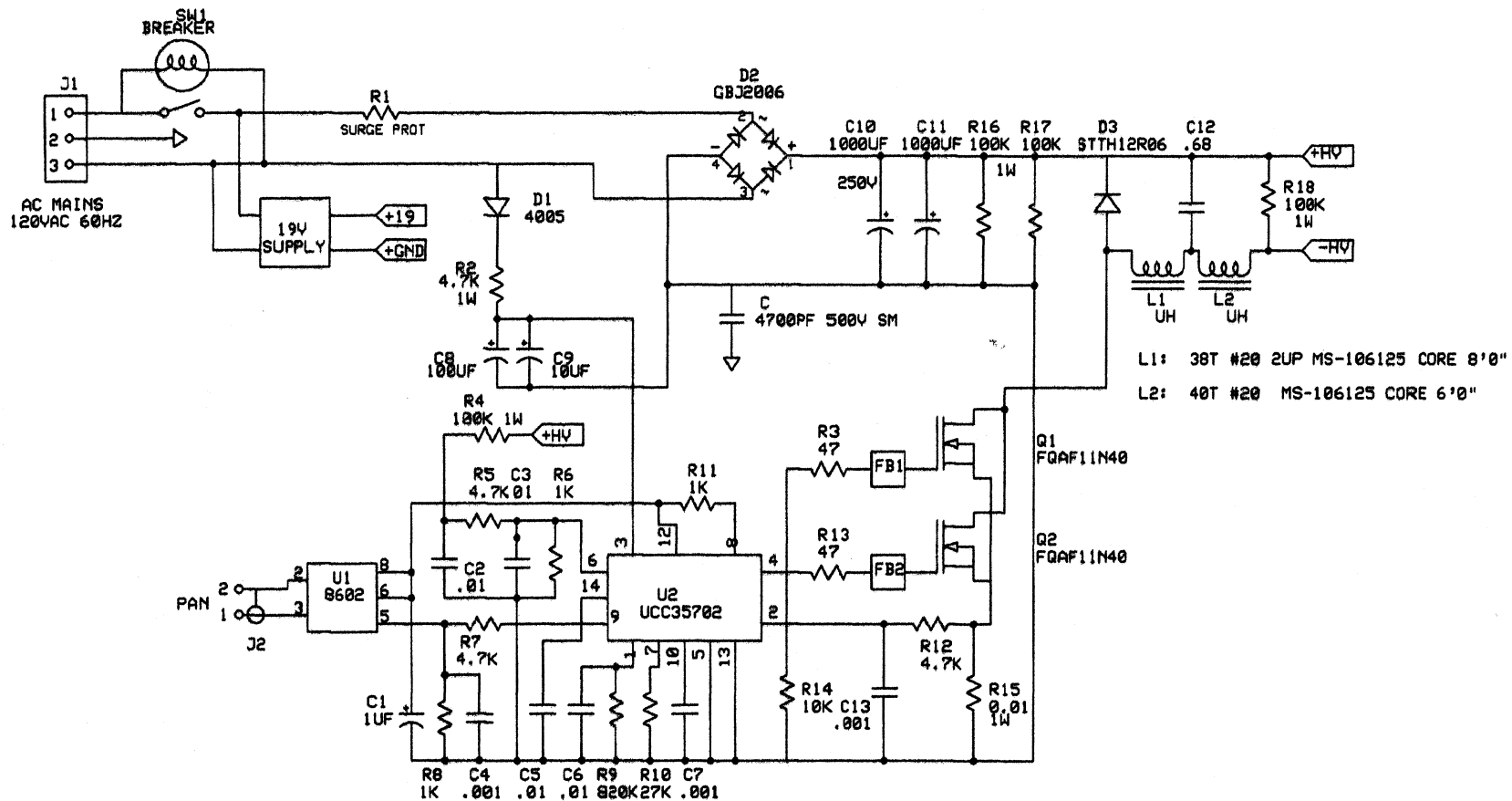
The carrier power should not be set above 400 watts. Because the peak power cannot exceed 1,500 watts, the carrier would not be set above 375 watts for 100% modulation.

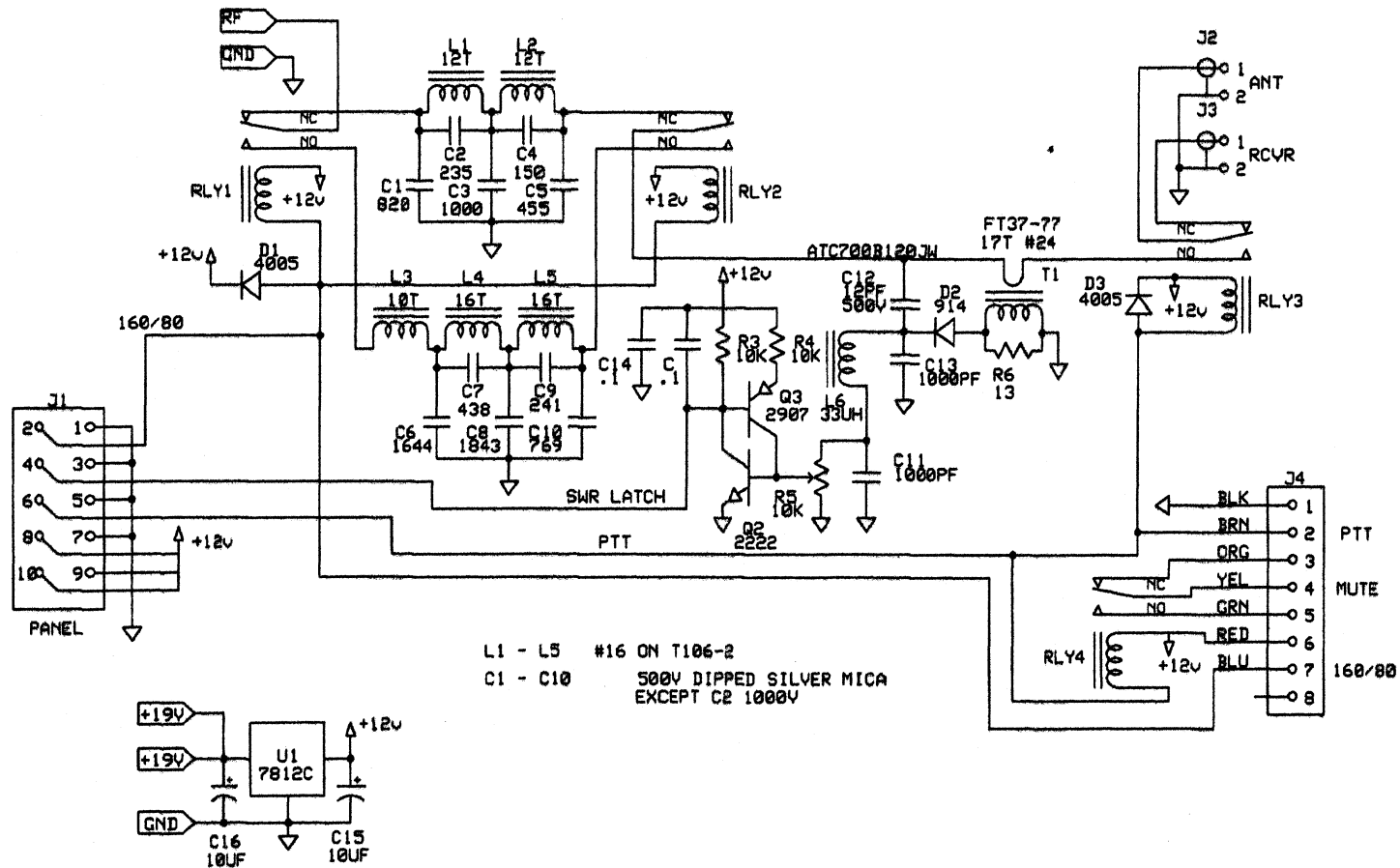
Take care not to block airflow into the fans or out the back of the transmitter.

The FREQ switch sets the operating frequency from 1800 to 2000 and 3600 to 4000 Khz in 1 Khz steps. Band change occurs automatically as the frequency is increased or decreased beyond the band edge. Frequency can only be changed in receive mode.

The SPOT switch provides a signal that can be heard in the receiver but not transmitted. When the SPOT and XMIT switches are both on, approximately 80 watts are provided for TUNE up purposes.

CAUTION: Do not power on or off the transmitter while in Tune or Transmit. Damage will occur.





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SUPERLPF

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