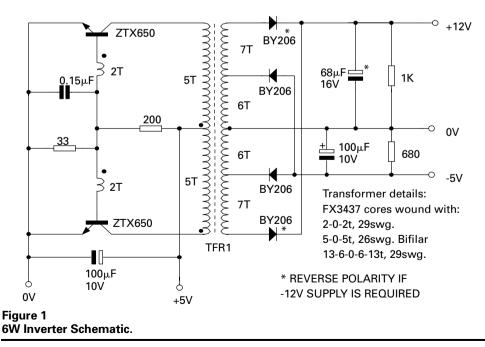


6W Inverter for MOS Logic supplies

The 6W inverter shown in Figure 1 has been designed to generate the extra power supplies required by popular MOS memories from a normal 5V TTL supply source. It may be used to supply up to eight 2808 read only memories which require supplies of +5V, -5V and +12V, or if the output components of the 12V section are reversed, the circuit will power over ten 5204 ROMs which require +5V and -12V supplies. The inverter is a simple push-pull circuit which takes advantage of the high current handling capability of the ZTX650 range. It oscillates at a frequency of approximately 25kHz to allow it to use a very small transformer (RM6), and also to render the inverter inaudible. The output characteristics are given in Figures 2 and 3. Output ripple is approximately 150mV peak to peak on both outputs.





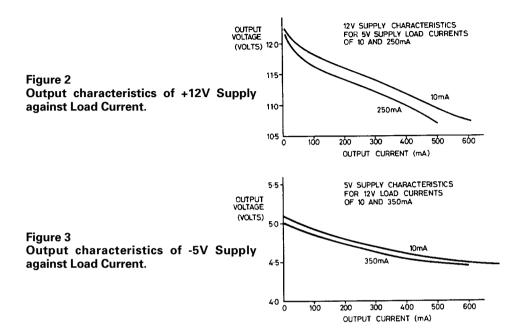


Table 1.Output Voltage of +12V Supply againstLoad Current.

Output Current	Output voltage	Output voltage
10	12.2	12.1
100	11.8	11.6
200	11.6	11.4
300	11.4	11.2
400	11.2	11.0
500	10.8	10.7
600	10.6	-
	10mA load on -5V supply.	250mA load on -5V supply.

