DIDRIV10/PVM500DC SCHEMATIC for PULSED HALF POWER RESONANT OPERATION REV2110-11

Intended for dielectric barrier discharge systems/plasma displays/hydrogen production

USE 220 VOLT 12 VOLT TRANSFORMER FOR 220 UNITS AND REMOVE SHORT

Output can be controlled by turning the 2222 transistor off and on. The 555 is easily removed from its socket allowing signal insertion via the 1 k resistor going to pin 3

10 K POT SHOULD BE ON FRONT PANEL
pulse rep rate 250 Hz on time 3.5-5

Resonant frequency of 4” plasma tube is 55 kHz
current draw is .1 to .6 amps in ballast mode with dc adjust at max

F=16-66KHZ with R10 max

NOTES: 2500 TURNS SELF RESONANT TO 25 PFD EXTERNAL CAPACITANCE
1000 TURNS RESONANT WITH 40-200 PFD EXTERNAL CAPACITANCE

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