

VOLTAGE-REFERENCE TUBE

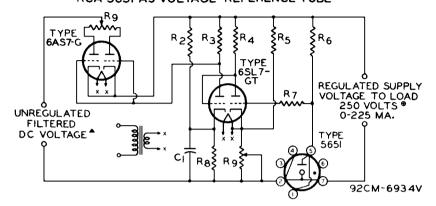
MINIATURE GLOW-DISCHARGE TYPE

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SERIES TYPE OF STABILIZED VOLTAGE SUPPLY USING RCA-565I AS VOLTAGE-REFERENCE TUBE



 $C_1 = 0.1 \mu f$, 400 volts $R_1 = Plate current balanc-$

565

ing potentiometer, 160 ohms, 10 watts = 12000 ohms, 2 watts = 470000 ohms, 0.5 watt = 470000 ohms, 0.5 watt

R₅ = 12000 ohms, 2 watts R₆ = 68000 ohms, 1 watt R₇ = 1 megohm, 0.5 watt R₈ = 15000 ohms, 2 watts R₉ = output voltage control potentiometer, 10000 ohms

375 volts approx. at zero milliamperes load current. at zero load current; 325 volts approx. at 225

The voltage regulation of this supply operated at a fixed line voltage of 117 volts and an output voltage of 250 volts is less than 0.2 volt over the current range of 0 to 225 milliamperes. At full current, the regulation for a variation of \pm 10 per cent in line voltage is less than 0.1 volt. Socket connections for the 5651 are made so that removal of the 5651 from its socket opens the load.