

PS-500-AC TEST SPEC

I. POWER REQUIREMENTS

117V, 60 cycles, 700 watts. All measurements to be made at 117V. (Maximum operating voltage -- 125V.)

II. PRIMARY SWITCHING

Power switch in test jig must turn supply on and off.

III. MECHANICAL HUM

There shall be no audible mechanical hum or cabinet vibration.

IV. SPEAKER TEST

A. With .6 volts RMS @ 400 cycles, neither speaker or cabinet shall rattle when swept through the range from 100 cycles to 4000 cycles.

B. Speaker resonance shall be 145 cycles ± 10 cycles.

V. VOLTAGE AND RIPPLE

High Voltage B+	Load 2800 Ohms 785V $\pm 3\%$	Load 8200 Ohms 825V $\pm 3\%$
Ripple	15V RMS Max.	6.0V RMS Max.
Low Voltage B+	Load 2800 Ohms 270V $\pm 3\%$	Load 2800 Ohms 280V $\pm 3\%$
Ripple	.3V Max.	.3V Max.
Bias Voltage	-80V to $\pm 130V \pm 3\%$	22K Load
Ripple	.2V Max.	
Filament Voltage	12.6V $\pm 5\%$	2.5 Ohm Load

VI. LINE ISOLATION

Either side of AC line must withstand 350V breakdown to chassis.

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PAGE 3

VII. LIFE TEST

The following conditions will apply for life test:

A. The low voltage load will be 2800 ohms.

B. The bias load will be 22K ohms.

C. The high voltage load will be 2800 ohms for one minute and open circuit for three minutes. (Test not to exceed 24 hours.)

D. Supply shall give normal operation at end of test.

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