6884

BEAM POWER TUBE

FORCED-AIR COOLED

Useful at frequencies up to 2000 Mc

The 6884 is the same as the 6816 except for the following items:

Heater, for Unipotential Cathode:

Voltage§	26.5 ± 10%	ac or dc volts
Current	0.52	amp

§ Because the cathode is subjected to considerable back bombardment as the frequency is increased with resultant increase in temperature, the heater voltage should be reduced depending on operating conditions and frequency to prevent overheating the cathode and resultant short life.

6884

Beam Power Tube

COAXIAL-ELECTRODE STRUCTURE — **FORCED-AIR COOLED**
CERAMIC-METAL SEALS — **INTEGRAL RADIATOR**
UNIPOTENTIAL CATHODE — **180 WATTS CW INPUT UP TO 1215 Mc**

For Use at Frequencies up to 2000 Mc

The 6884 is the same as the 6816 except for the following items:

Heater, for Unipotential Cathode:

Voltage (AC or DC)[a]	26.5 ± 10%	volts
Current at heater volts = 26.5	0.52	amp

[a] Because the cathode is subjected to considerable back bombardment as the frequency is increased with resultant increase in temperature, the heater voltage should be reduced depending on operating conditions and frequency to prevent overheating the cathode and resultant short life.

CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN ←

	Note	*Min.*	*Max.*	
Heater Current	1	0.45	0.57	amp
Useful Power Output	8	80	-	watts

Note 1: With 26.5 volts ac or dc on heater.

Note 8: In a single-tube, grid-driven coaxial-cavity class C amplifier circuit at 400 Mc and for conditions with 24.0 volts ac or dc on heater, dc plate voltage of 1000 volts, dc grid-No.2 voltage of 300 volts, grid-No.1 resistor adjustable between 1000 and 10,000 ohms, dc plate current of 180 ma. maximum, dc grid-No.1 current of 20 ma. maximum, and driver power output of 3 watts.

← Indicates a change.