

Description of RF Lighting Device

1) Type(s) of emission

Not applicable

2) Frequency range

100 kHz \pm 10 kHz

3) Range of operating power and description of means provided for variation of operating power

Not applicable

4) Maximum power rating as defined in the applicable rules

Not applicable

5) The voltage applied to and currents into the several elements of the final radio frequency amplifying device for normal operation over the power range. Indicate whether these voltages and currents are DC or AC.

Input Voltage (circuit diagram Point No. 2) = 4.5 V (DC)

Input Current (circuit diagram Point No. 2) = 310 mA (DC)

6) Function of each electron tube, semiconductor or other active circuit device.

a. Switching transistor

Q9051, Q9025 : 2SD1119 \times 2 or 2SD2150 \times 2

b. Pulse transformer

T9051 : ETJV10ZA17AF

Input Voltage : 4.5 V DC

Output Voltage : 850 V AC (at no load)

c. Choke coil

L9051 : G1C680M00011

Inductance : 68 μ H

d. Fluorescent lamp

PL9001 : LSLL0023 or LSLL0024

Tube voltage : 300 V AC

Power consumption: 1.2 W

7) Brock diagram

See EXHIBIT # 5

8) Operating Instruction manual. If the operating instruction manuals are not available when the application is filed a set of draft instructions should be provided and complete instruction manuals should be submitted as soon as available.

9) Tune up procedure over the power range or at specific operating power levels.

Not applicable

10) A description of all circuitry and devices provided for deterring and stabilizing frequency.

Oscillator circuit : Blocking oscillator DC-AC inverter

Pulse transformer : ETJV10ZA17AF

Switching Transistor : Q9051, Q9052 (2SD1119 X 2 or 2SD2150 X 2)

11) A description of any circuits for devices employed for suppression of spurious radiation, for limiting modulation, and for limiting the operating power.

Not applicable

12) A photograph or drawing of the equipment identification label, silk-screened or molding showing the information to be placed there on.

See EXHIBIT # 1 and # 2.

	C9053	C9055
A	15P	15P
B	12P	15P
C	18P	15P

POINT_NO2

