

MODEL : EFT23E28D
EFT23E50D

Description of Self Ballasted Fluorescent Lamp

a. Ratings

MODEL	EFT23E28D	EFT23E50D
Input Voltage	120V a. c.	120V a. c.
Input Wattage	23 W	23 W
Oscillating frequency	60 ± 10 kHz	60 ± 10 kHz
RF power output	21 W	21 W
Luminous output	1450 lm	1380 lm
Color temperature	2800 K	5000 K

Notes : These lamps are provided with non-changeable discharge tube.

b. Block diagram

See Exhibit # 4-2

c. Circuit Diagram and parts list

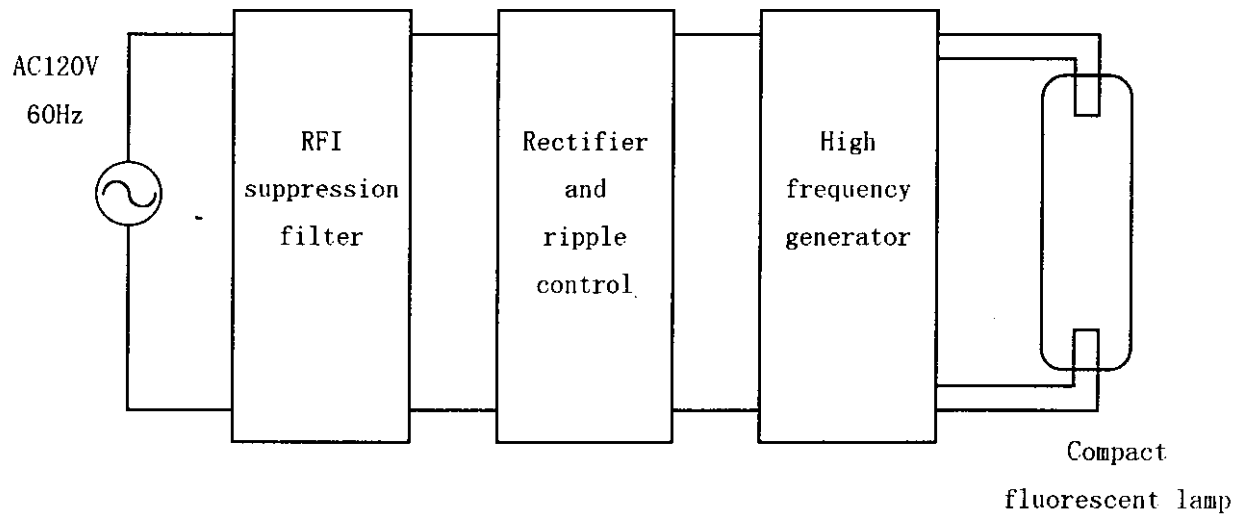
See Exhibit # 4-3

d. Description of circuit

High (RF) frequency generator, consists of switching power transistor Q1 and Q2 with base drive circuit, supplies RF power to the compact fluorescent lamp (inner discharge tube).

RFI Voltage is suppressed by RFI suppression filter consist of C1 and NF.

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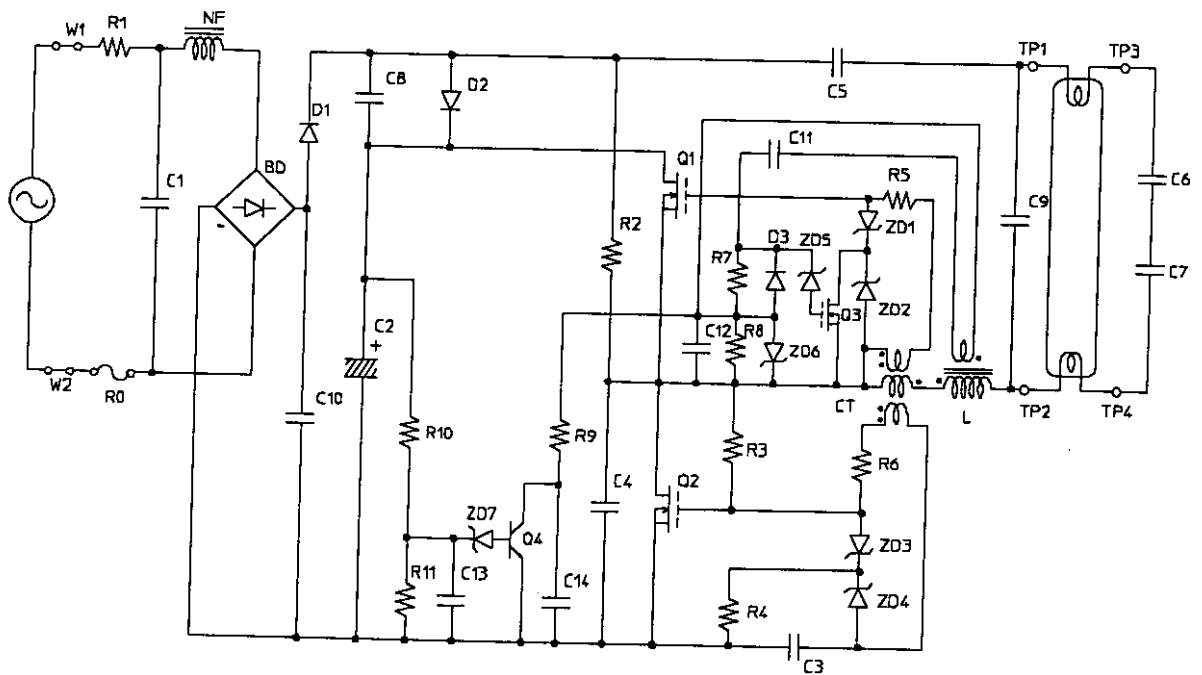


Block diagram

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EXSIBIT #4-3

Circuit diagram and parts list



Resistor	R0		Capacitor	C1		Inductor	NF	
	R1			C2			L	
	R2			C3			CT	
	R3			C4		Diode	BD	
	R4			C5			D1	
	R5			C6			D2	
	R6			C7			D3	
	R7			C8			ZD1	
	R8			C9			ZD2	
	R9			C10			ZD3	
	R10			C11			ZD4	
Transistor	R11			C12			ZD5	
	Q1			C13			ZD6	
	Q2			C14			ZD7	
	Q3							