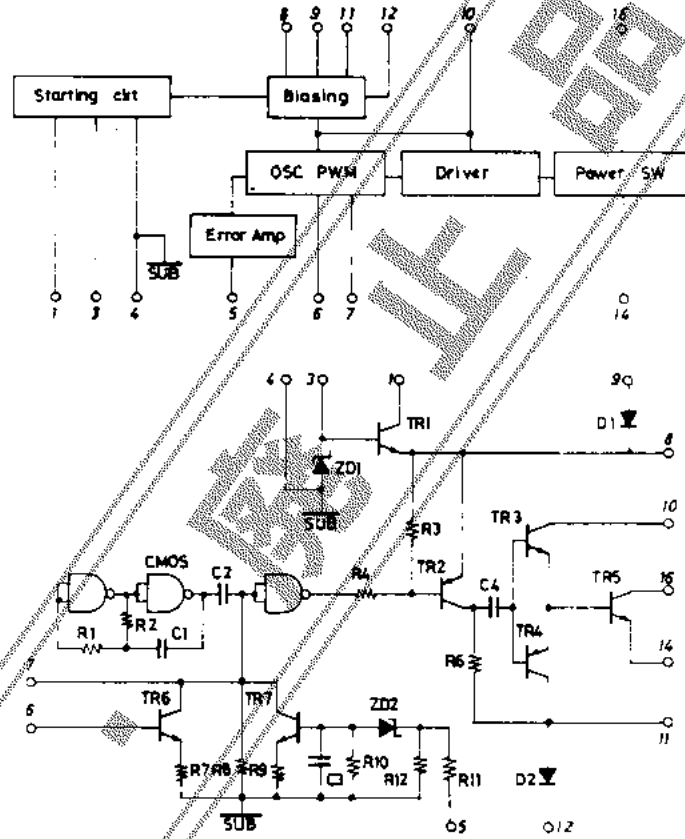


動作特性/ $T_a=25^{\circ}\text{C}$

TR5 電流増幅率	h_{FE5}	$V_{CE}=5\text{V}, I_c=1\text{A}$
TR1 電流増幅率	h_{FE1}	$V_{CE}=10\text{V}, I_c=10\text{mA}$
ZD1 ツェナー電圧	V_{Z1}	$I_z=5\text{mA}$
ZD2 ツェナー電圧	V_{Z2}	$I_z=5\text{mA}$
発振周波数	f_{osc}	

min	typ	max	unit
8			
60			
	7.5		V
	6.2		V
	33k		Hz

等価回路と機能ブロック図

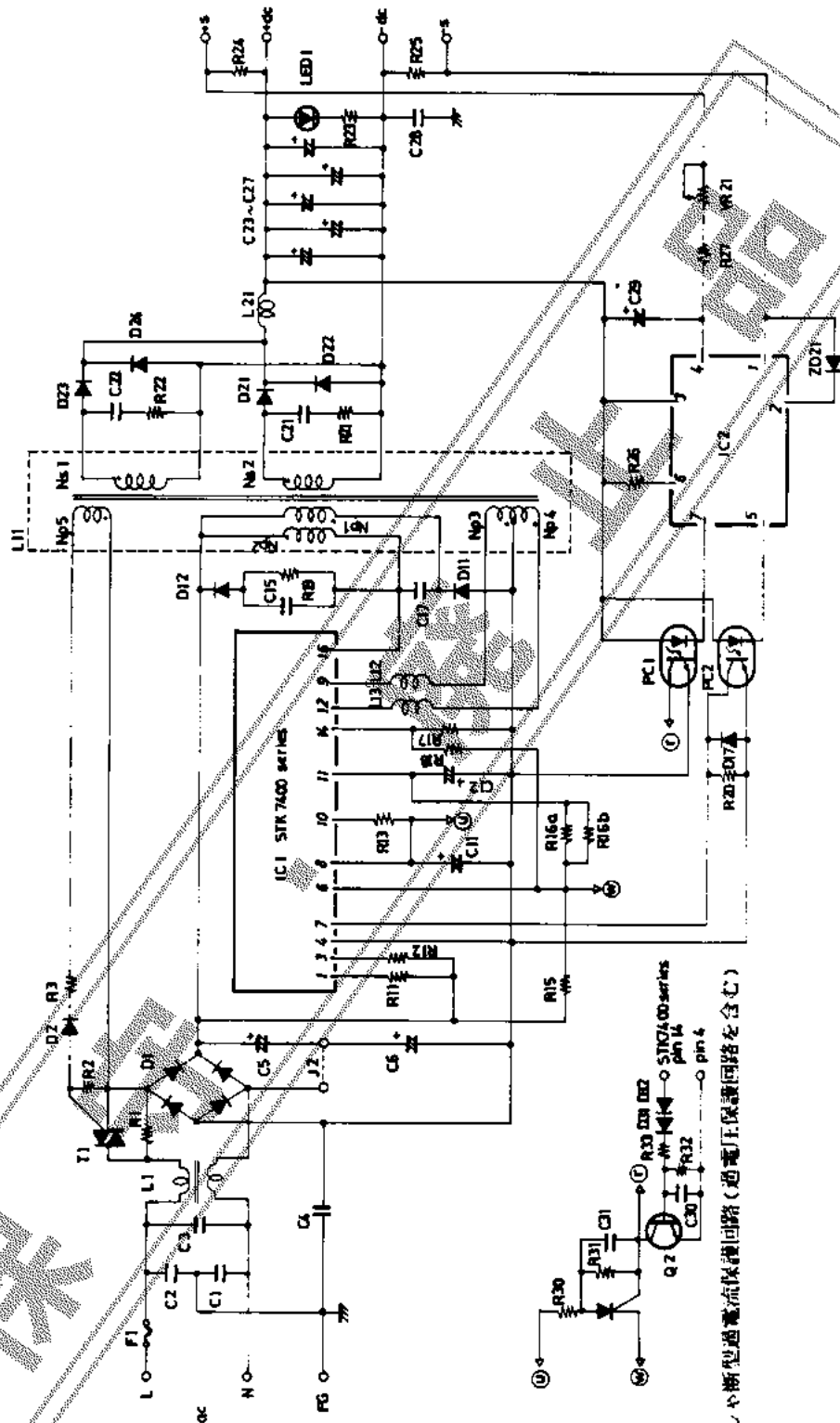


応用回路例： ソフトスタート方式電源

入力電圧 AC 85~132 V、または AC 170~264 V (ジャンパー換え)

出力電圧 DC 24 V

出力電流 8.1 A max



パーツリスト

【入力部】

F1	fuse	5A, 125V
C1	ceramic capacitor	2200PF/250V
C2	"	"
C3	metallized film capacitor	0.22uF/ac250V
C4	ceramic capacitor	2200PF/250V
C5	electrolytic capacitor	680uF/200V
C6	"	"
R1	cement resistor	10 Ω , 3W
R2	carbon resistor	1k Ω , 1/4W
R3	"	56 Ω , 1/4W
L1	line filter	LF-8
D1	bridge rectifier	DBA100E
D2	diode	DS442
T1	triac	DTA12E

【パワーコンバータ】

IC1	power IC	STK7410	Sanyo
D11	F.R.D.	FRD28-08	Fuji Elec.
D12	not required		
D17	diode	DS442	Sanyo
C11	electrolytic capacitor	220uF/16V	
C12	"	"	
C15	not required		
C17	ceramic capacitor	220PF/2kV	
R11	fuse resistor	3.3k Ω , 5W	
R12	metallized film resistor	100k Ω , 2W	
R13	"	10 Ω , 1W, *	
R15	carbon resistor	2.7k Ω , 1/4W, *	
R16a	"	68k Ω , 1/4W	
R16b	"	43k Ω , 1/4W, *	
R17	cement resistor	0.33 Ω , 3W	JRM
R18	carbon resistor	2.7k Ω , 1/4W	
R19	not required		
R20	carbon resistor	43k Ω , 1/4W, *	
L12	microinductor	4.7uH	
L13	"	"	
VR11	potentiometer	1k Ω	

* for adjustment

【過電流保護回路=しゃ断型】

Q1	programmable unijunction tr.	1N-41A	Toshiba
Q2	transistor	2SC1570	Sanyo
D31	diode	DS442	Sanyo
D32	"	"	"
R30	carbon resistor	2k Ω , 1/4W	
R31	"	1k Ω , 1/4W	
R32	"	12k Ω , 1/4W	
R33	"	510 Ω , 1/4W	
C30	ceramic capacitor	22uF/25V	
C31	"	0.001uF/25V	

【バルストランス】

L11	pulse transformer	PT-634	
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【出力部】

IC3	error amp IC	STK761	Sanyo
D21, 22	fr. diode	S12KC20	Shinagawa
D23, 24	"	"	"
ZD21	zener diode	G2A6.8U	Sanyo
PC1	photo coupler	PC-714U	Sharp
PC2	"	"	"
C21	ceramic capacitor	0.001uF/50V	
C22	"	"	
C23	electrolytic capacitor	2200uF/35V	
C24	"	"	
C25	"	"	
C26	"	"	
C27	not required		
C28	ceramic capacitor	0.01uF/50V	
C29	"	0.1uF/50V	
R21	metallized film resistor	100 Ω , 1W	
R22	"	"	
R23	carbon resistor	10k Ω , 1/4W	
R24	"	10 Ω , 1/4W	
R25	"	"	
R26	"	7.5k Ω , 1/4W	
R27	"	2.7k Ω , 1/4W	
VR21	potentiometer	1k Ω	
L21	choke coil	300uH, 10A	
LED1	LED	SLP-135B	Sanyo