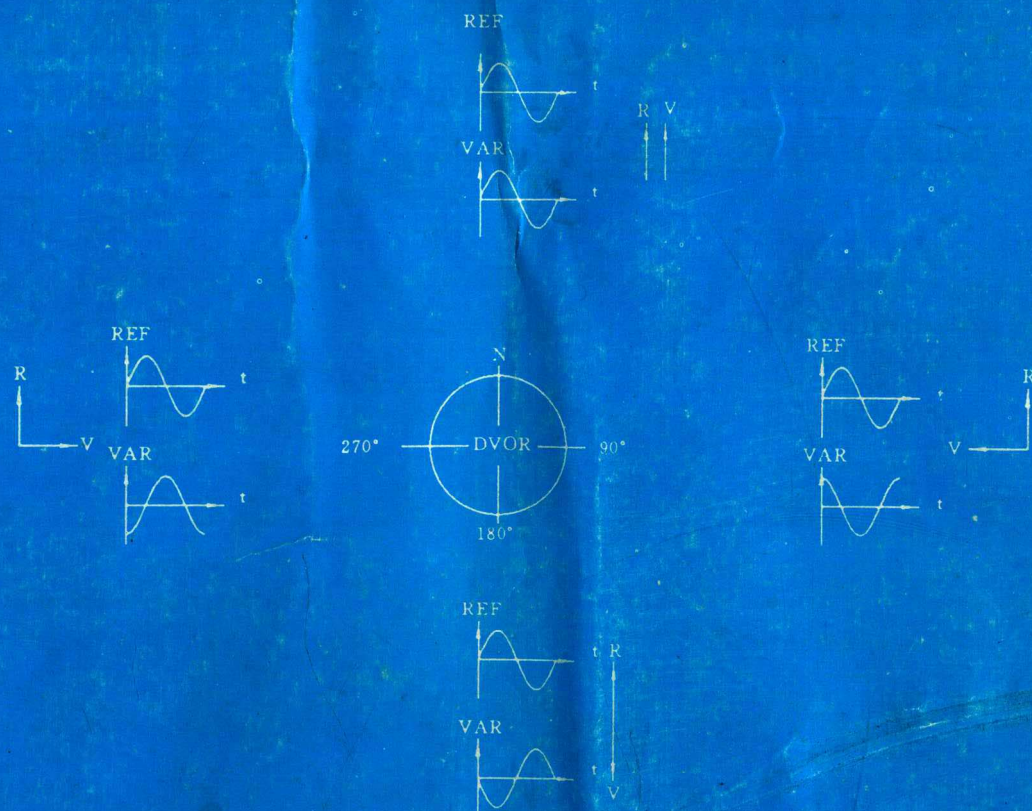


多普勒全向信标图册

周阿荣 郭慧泉 编



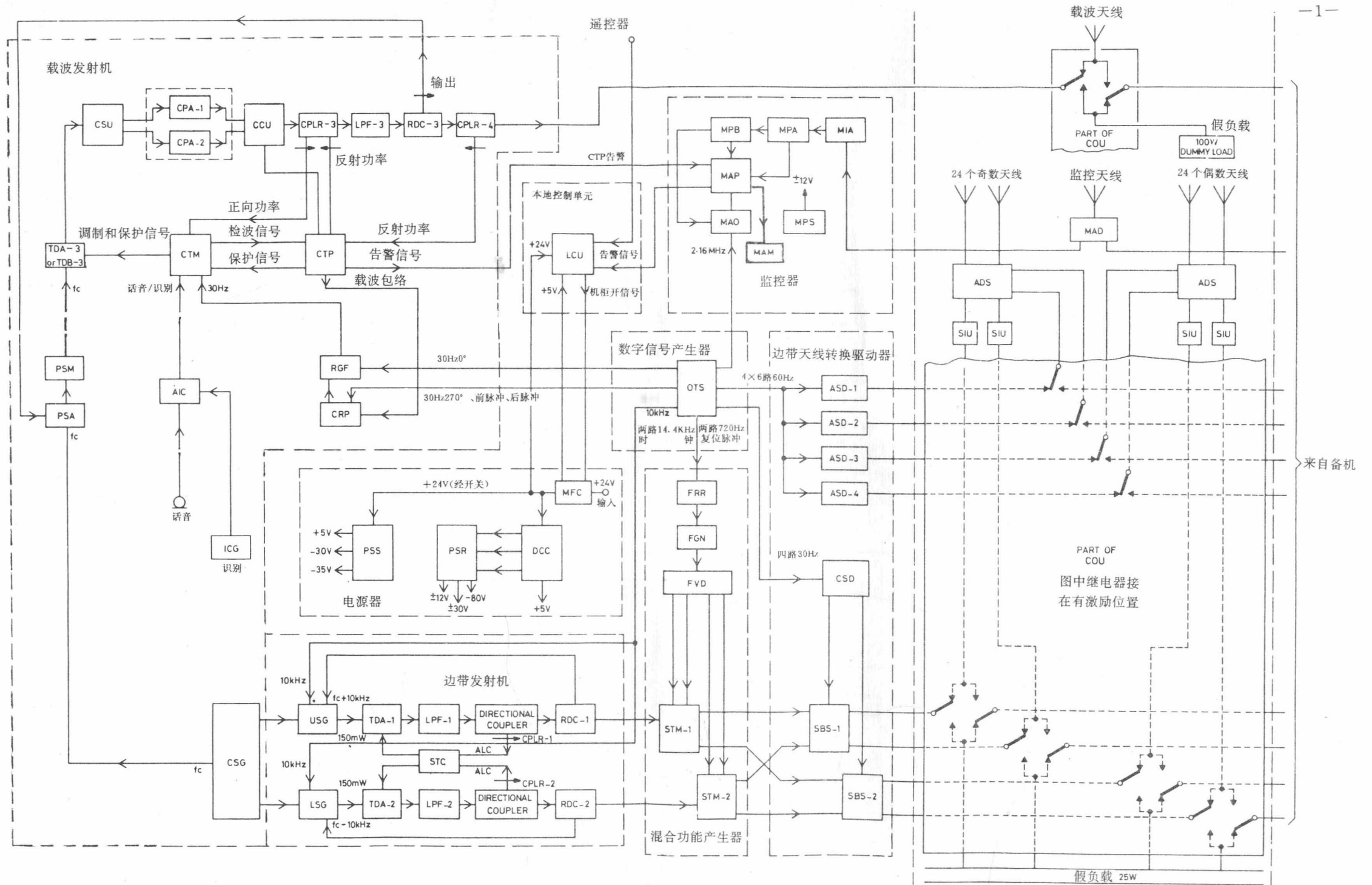
中国民用航空局航空司
民航广州中等专业学校

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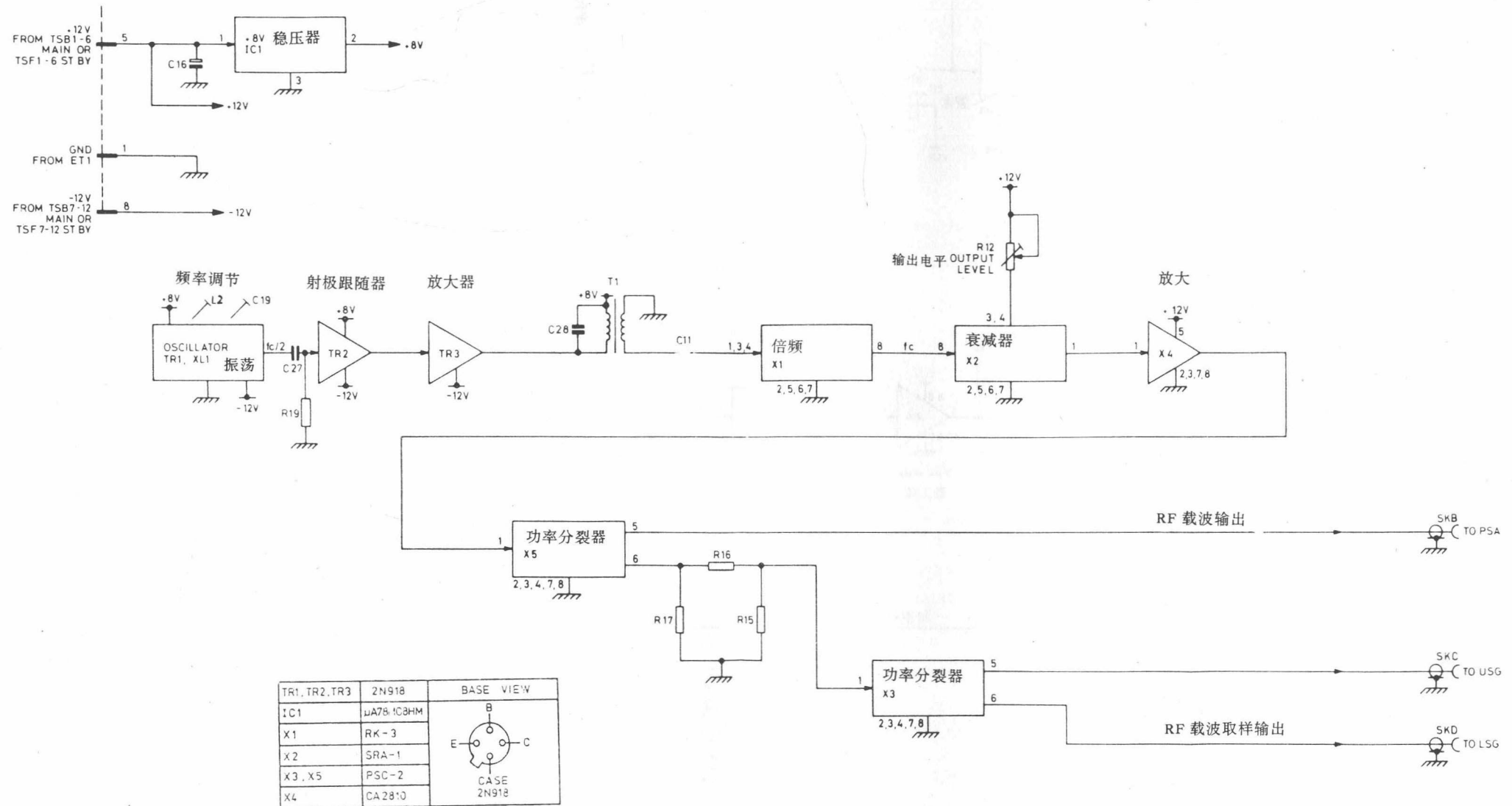
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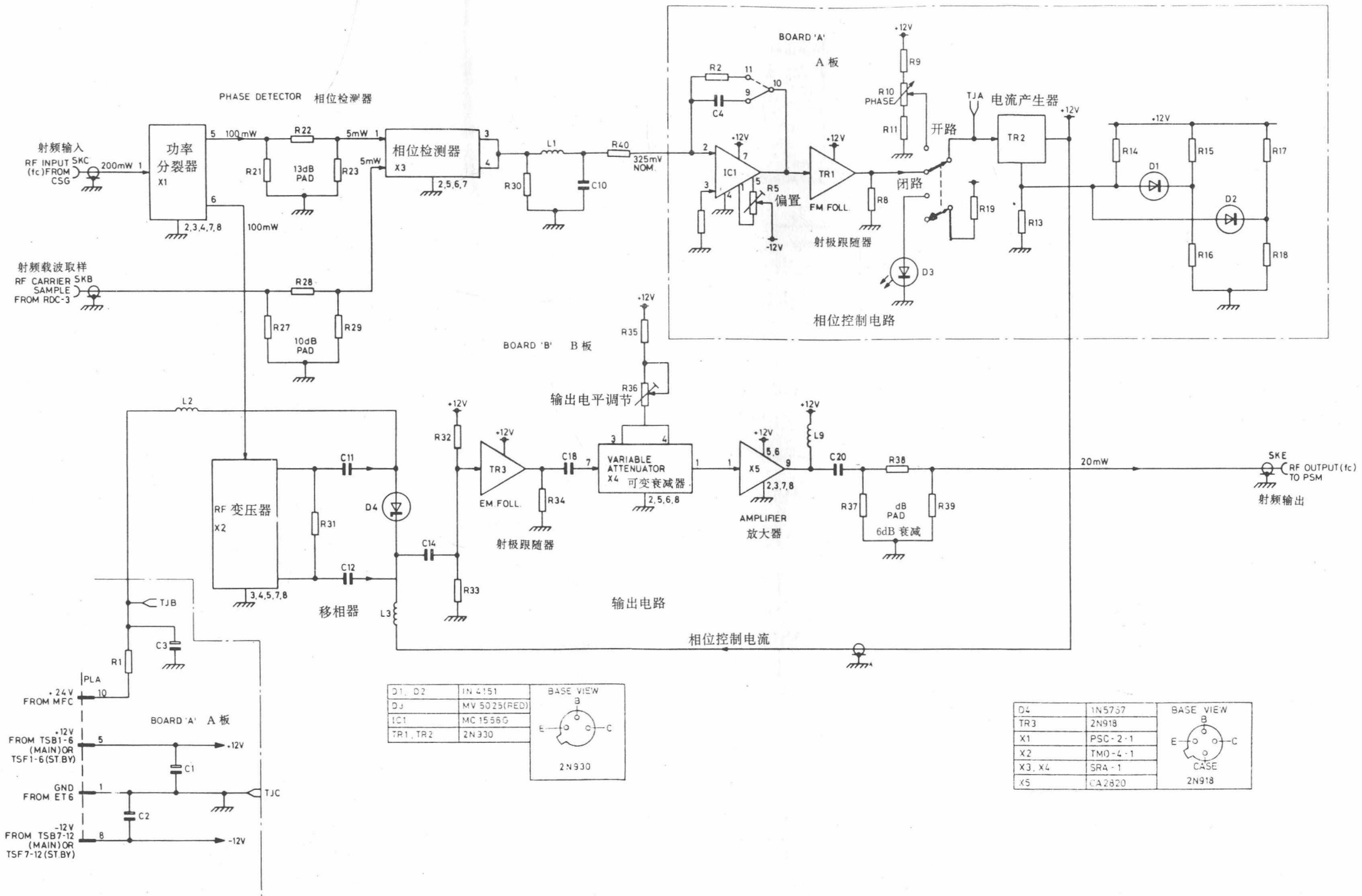
DVOR 方框图

Fig.3/2/1 [2]



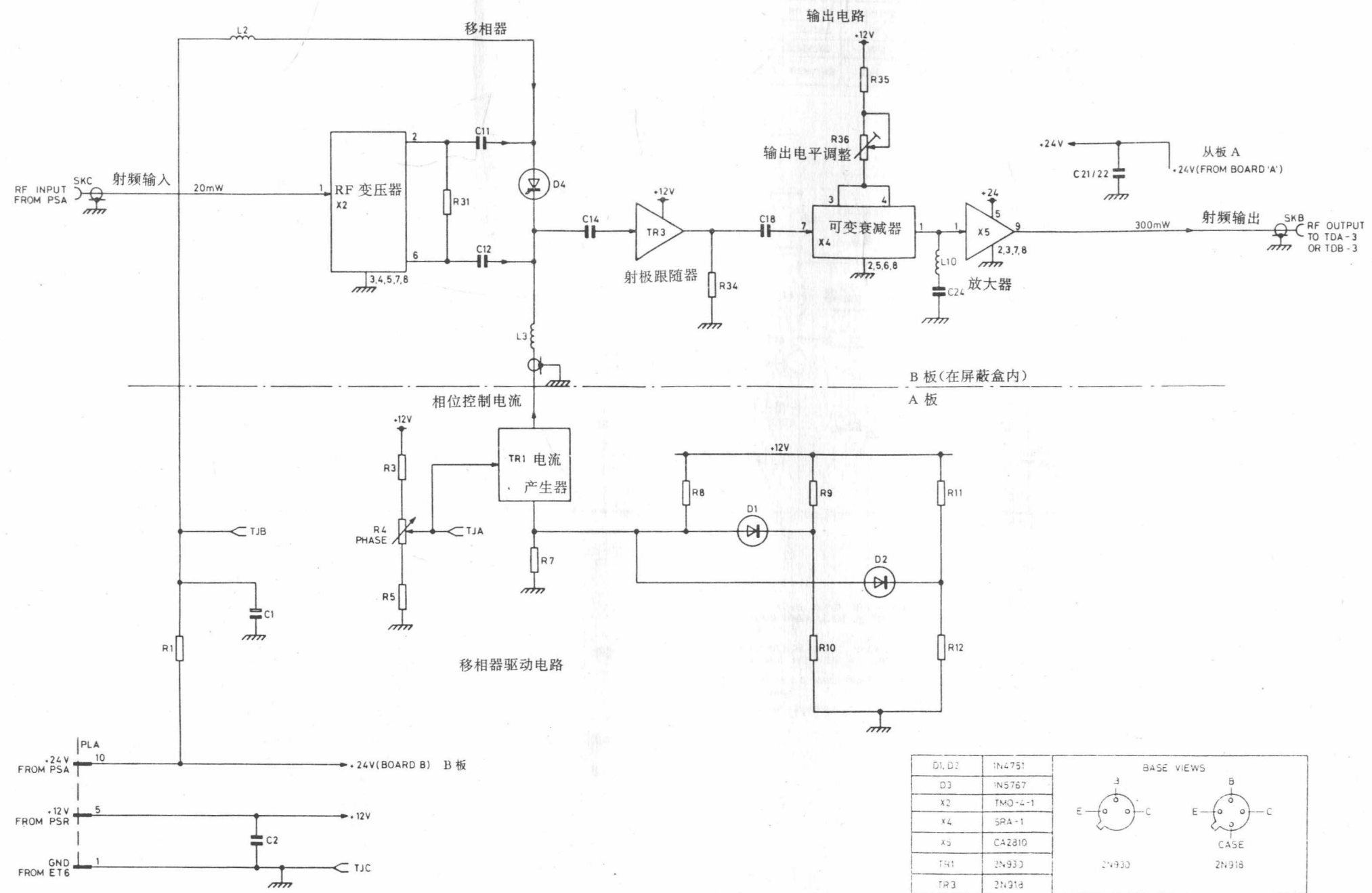
载波信号产生器(CSG)

Fig.3/15/2



自动移相器(PSA)

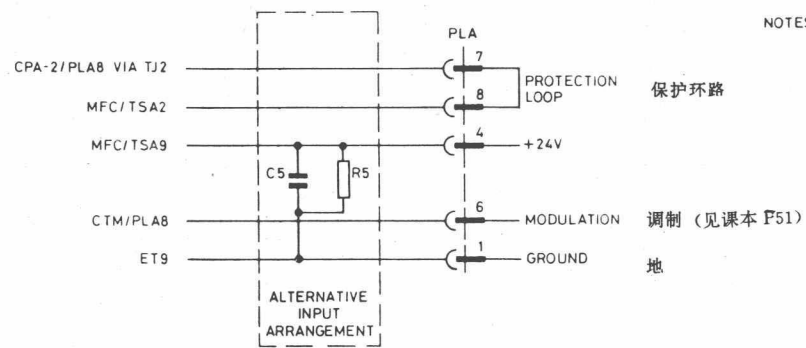
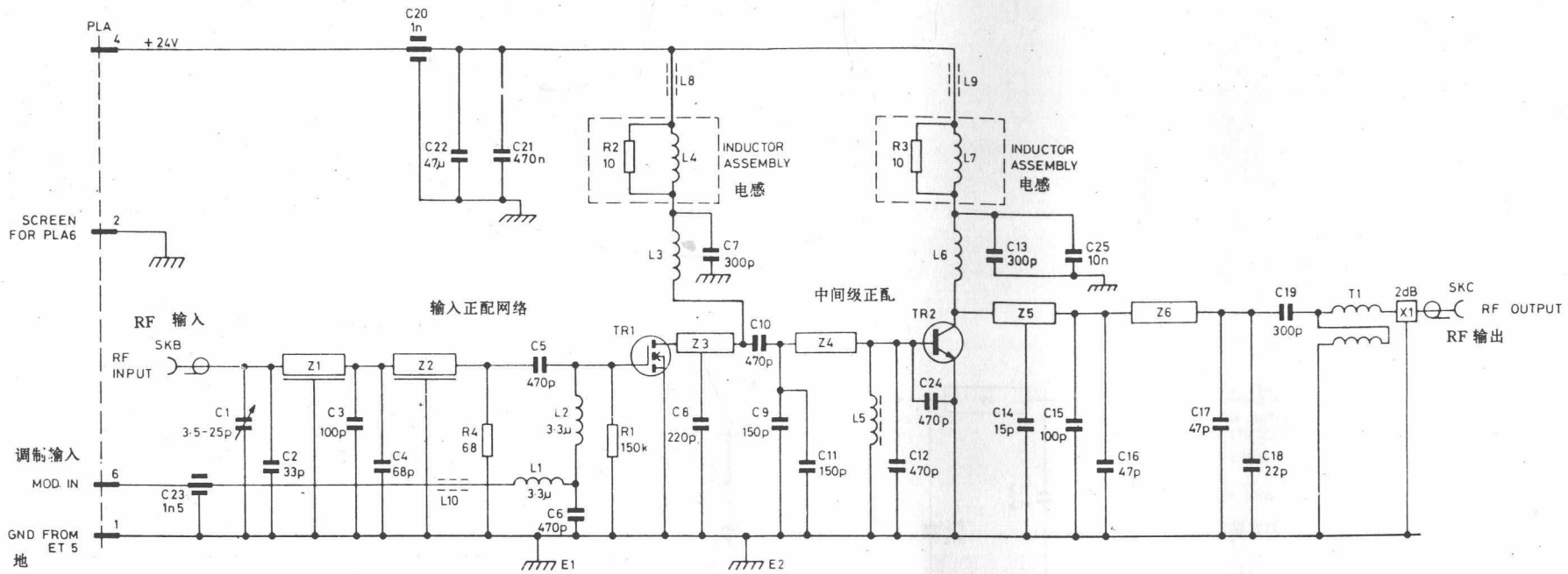
Fig.3/35/2



人工移相器(PSM)

Fig.3/36/2

	RF INPUT	RF OUTPUT	PLA4	PLA1	MODULATION	PROTECTION LOOP
TDA1	USG/SKD	LPF1	MFC/TSA8	ET5	STC/PLA11	NOT USED
TDA2	LSG/SKD	LPF2	MFC/TSA8	ET5	STC/PLA20	NOT USED
TDA3	PSM/SKB	CSU	MFC/TSA9	ET9	CTM/PLA8	CPA2/PLA8 VIA TP2 MFC/TSA2

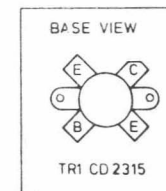
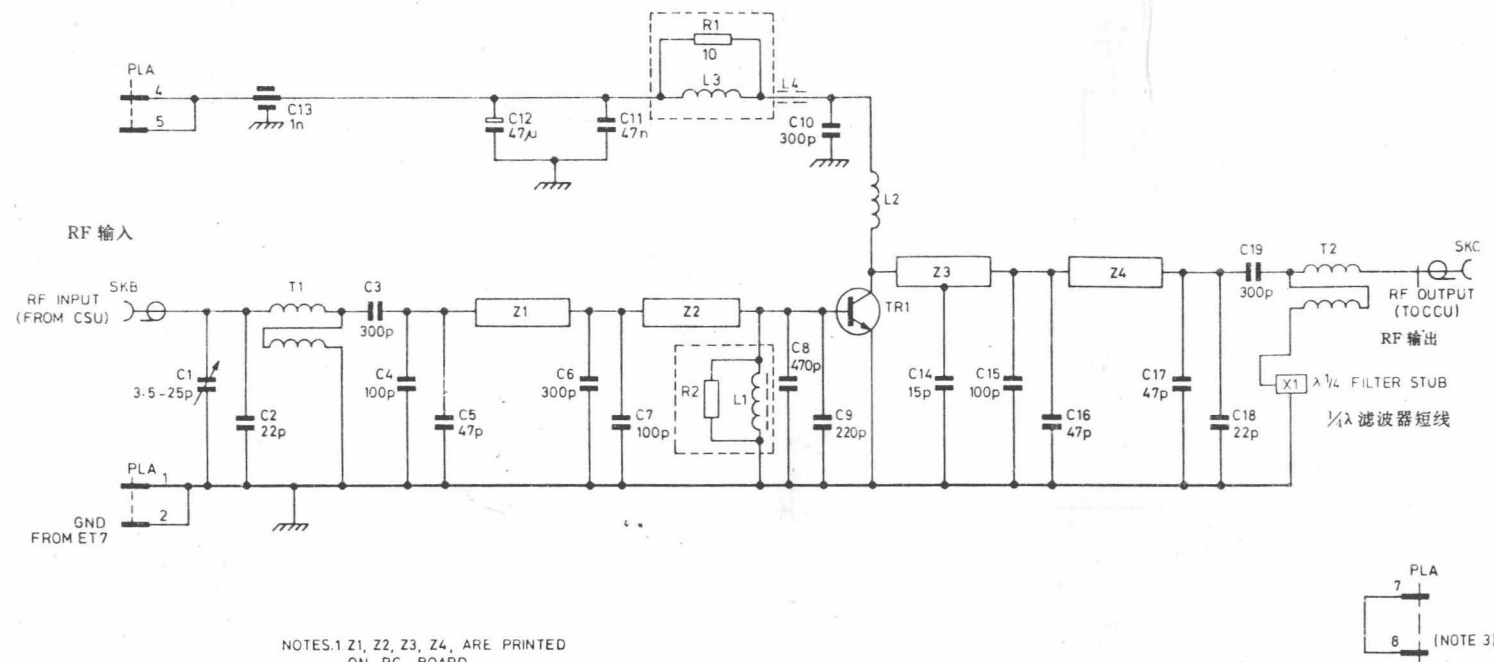


- NOTES
1. ALTERNATIVE INPUT ARRANGEMENT APPLIES WHEN USED IN TDA3 MODE ONLY.
 2. COMPONENTS INSIDE BROKEN LINE ARE MOUNTED ON CHASSIS.
 3. Z3, Z4, Z5, Z6, ARE PRINTED ON P.C BOARD.
 4. L8, L9, L10 = FERRITE BEADS.

TR1	VMP-4	BASE VIEWS	
TR2	CD 2315		

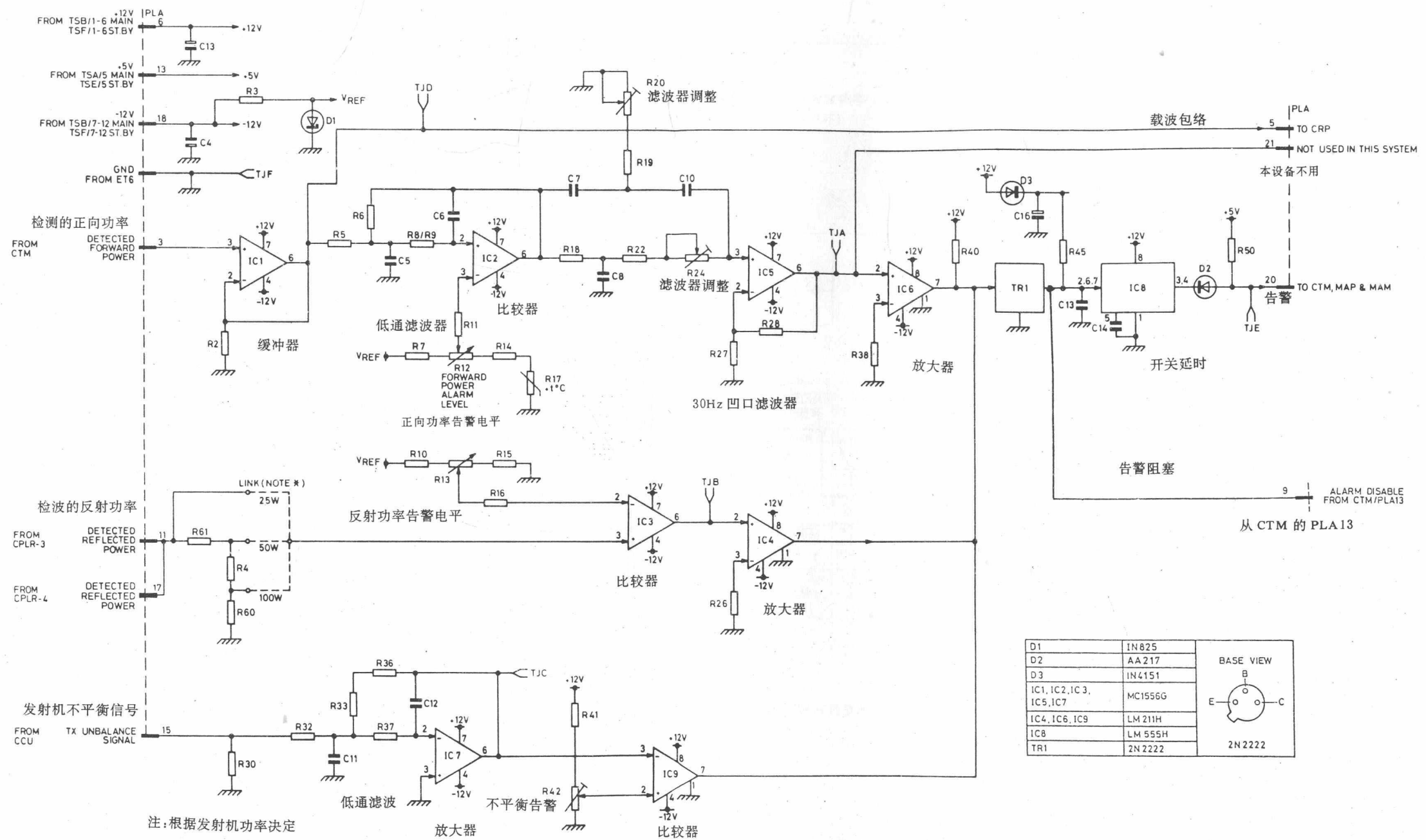
驱动放大器(TDA)

Fig.8/45/1 [8]



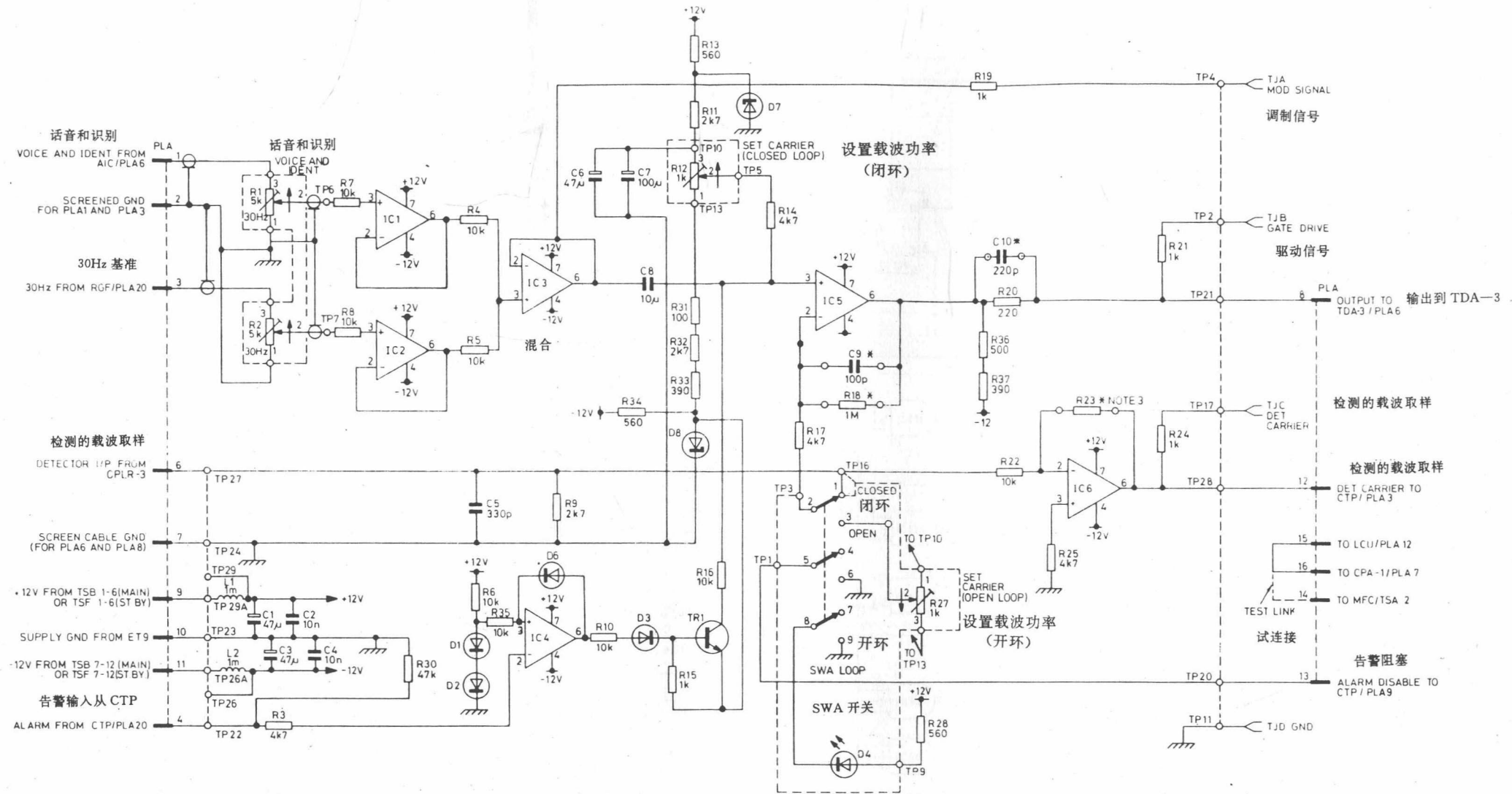
载波功率放大器(CPA)

Fig.8/11/1 ⑥

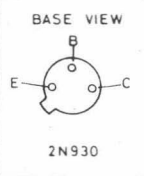


载波发射机保护(CTP)

Fig.3/18/2



D1, D2, D3, D5	1N4151
D4	MV5053
D6	BZY88C6V8
D7, D8	1N825
IC1, IC2, IC3, IC4, IC6	μA741HM
IC5	MC1556G
TR1	2N930



注: 1. R1, R2, R12, R27, SWA 和 D4 在前置面板上

2. * 标志元件安装在 PIN 上

3. R23: 25W 发射机为 22K

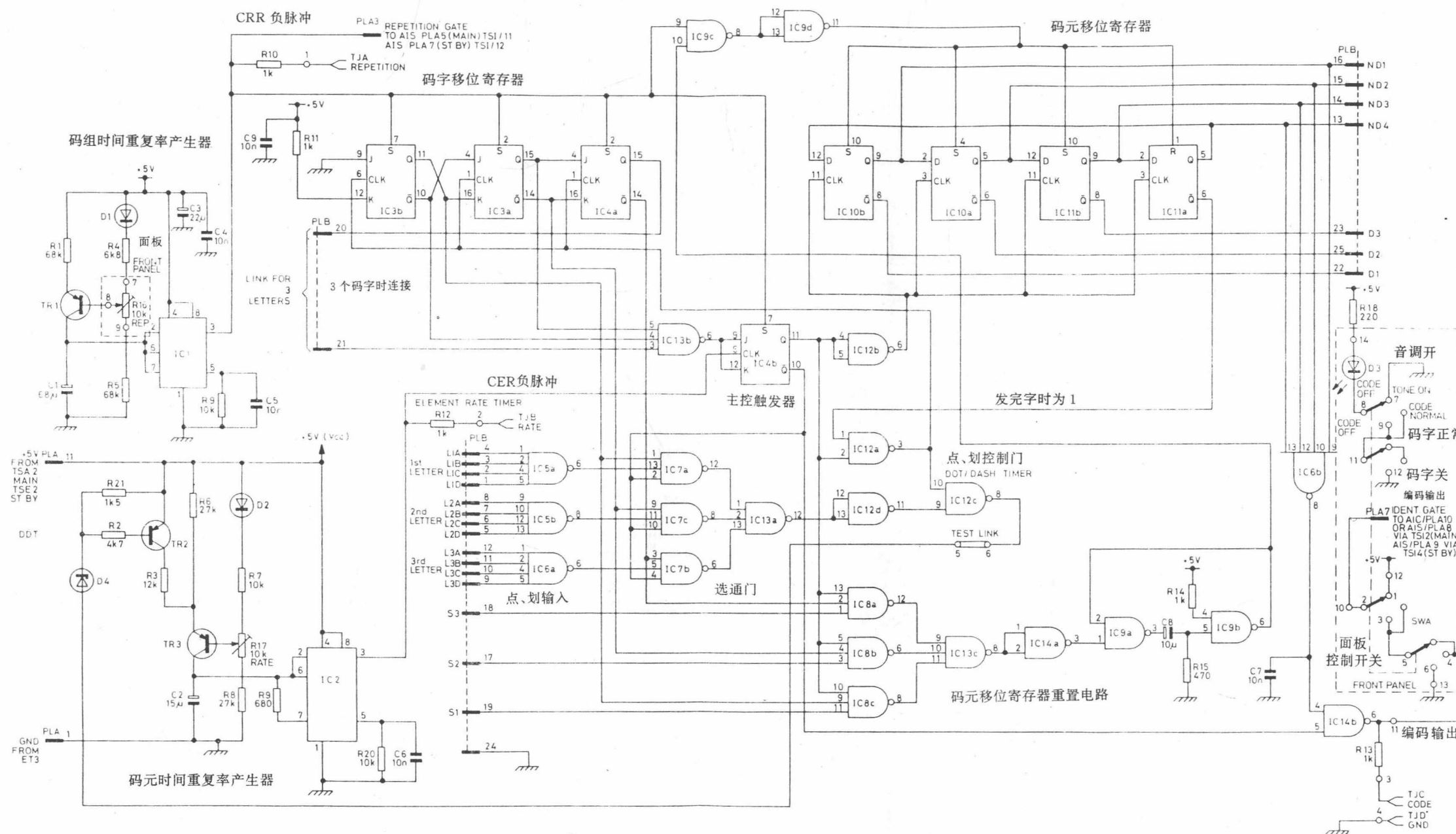
50W 发射机为 10K

100W 发射机为 4.7K

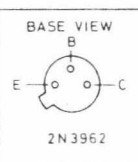
- NOTES: - 1 R1, R2, R12, R27, SWA AND D4 ARE MOUNTED ON FRONT PANEL
- 2 COMPONENTS MARKED THUS * MOUNTED ON PINS
- 3 R23: 22k FOR 25W TRANSMITTER
10k FOR 50W TRANSMITTER
4k7 FOR 100W TRANSMITTER

载波发射机调制(CTM)

Fig. 8/15/1 13



D1, D2	1N 4151	IC No	TYPE	Vcc	GND
D3	MV 5053	1, 2	LM 555H	8	1
D4	BZY88C2V7	3, 4	SN 5476J	5	13
TR1, TR2	2N 3962	5, 6	SN 5420J	14	7
TR3		7, 8, 13	SN 5410J	14	7
		9, 12, 14	SN 5400J	14	7
		10, 11	SN 5474J	14	7



识别编码产生器 (ICG)

Fig. 8/22/1 [7]

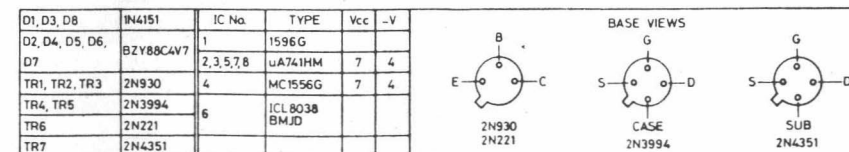


Fig. 8/3/1 [15]

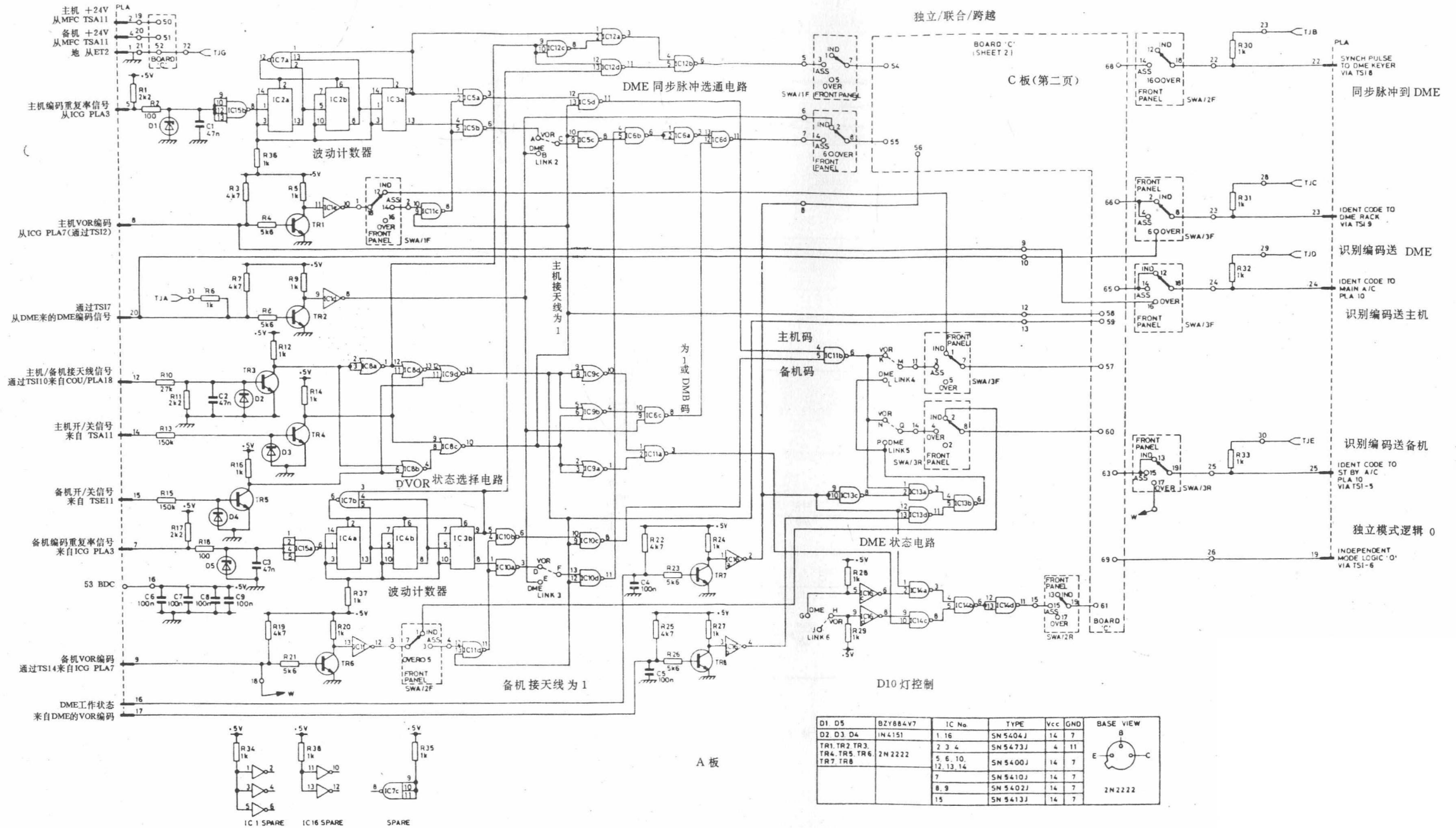


Fig. 8/4/1
Sheet 1

相关识别开关(AIS)



TR50, TR52	2N2270	BASE VIEWS
TR51, 53, 54	2N2221	
D8, D9	MV5253	
D10	MV5053	
IC50	LM209K	
IC51	SN5404J	
IC52, IC53	SN5400J	

Fig. 8/4/1
Sheet 2 [3]

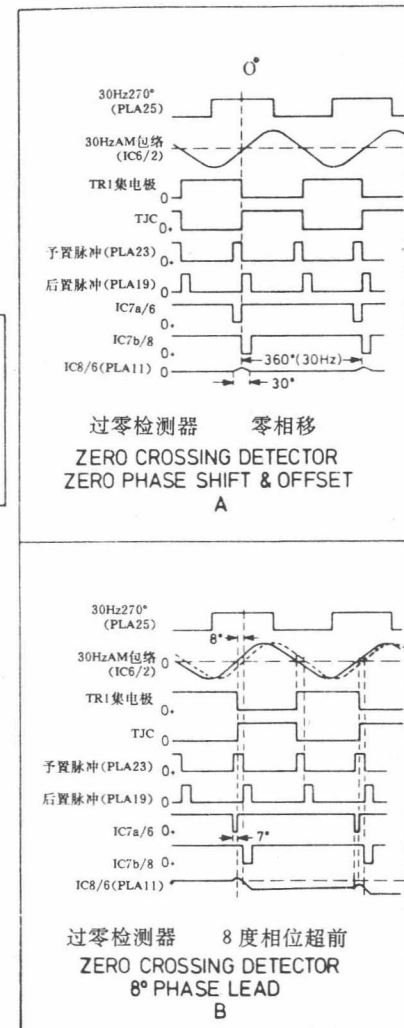
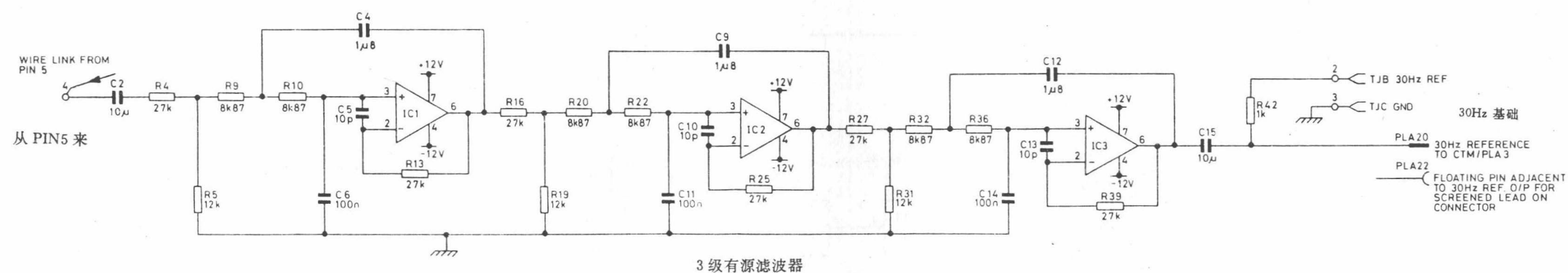
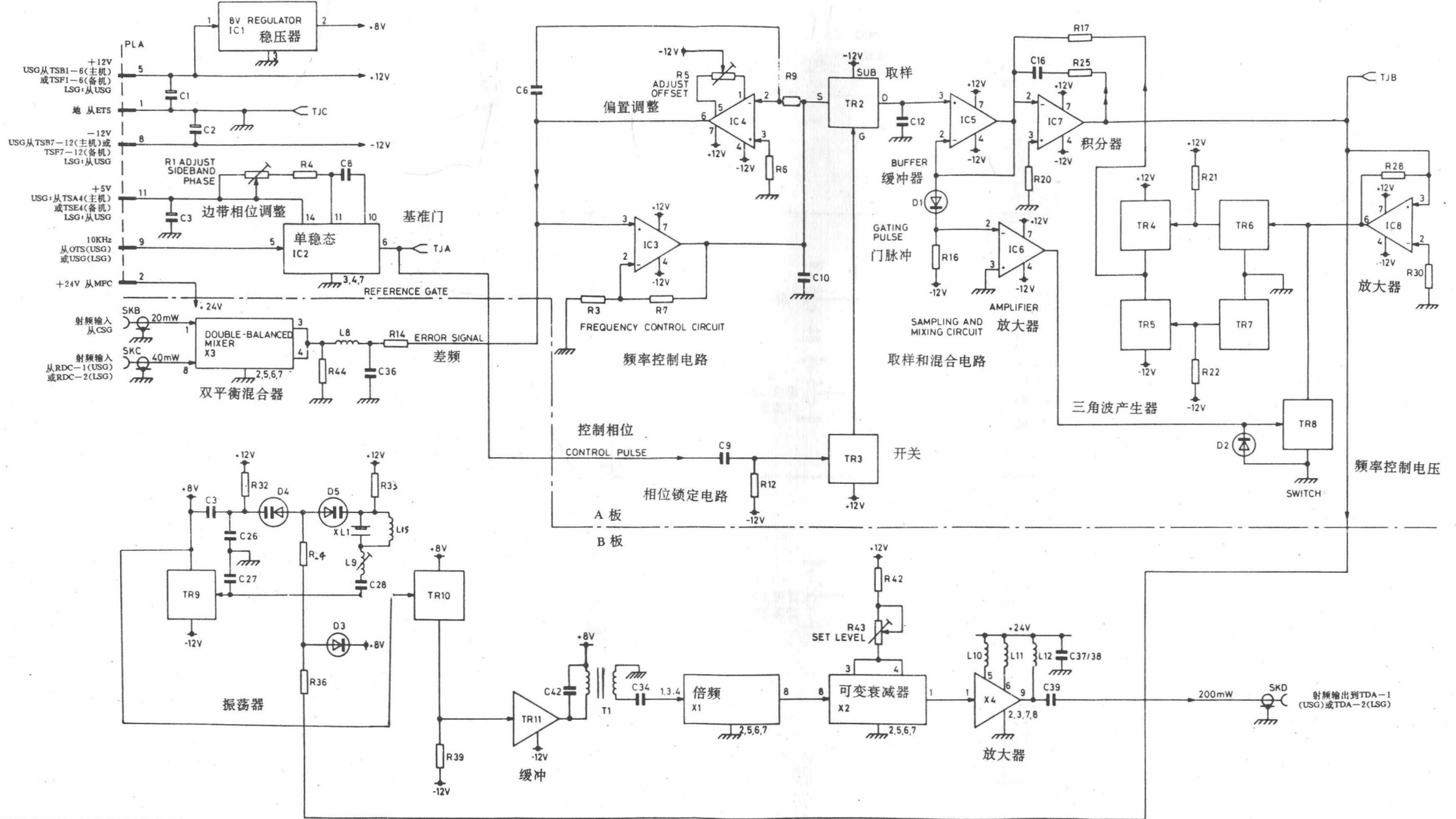


Fig.3/13/2



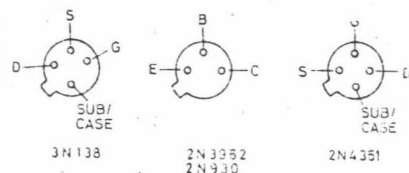
基准信号产生器(RGF)

Fig. 8/40/1 [5]

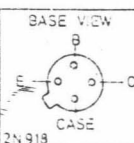


D1, D2	1N 4151
IC1	μA78M03HM
IC2	SN54121J
IC3 - IC8	LM741HM
TR1	3N138
TR2	2N4351
TR3, TR4, TR7	2N3962
TR5, TR6, TR8	2N330

BASE VIEWS



D4, D5	MV 2112
D3	1N 4151
TR9, TR10, TR11	2N 918
X1	RK-3
X2, X3	5RA-1
X4	CA 2820



上、下边带产生器(USG/LSG)

Fig.3/46/2