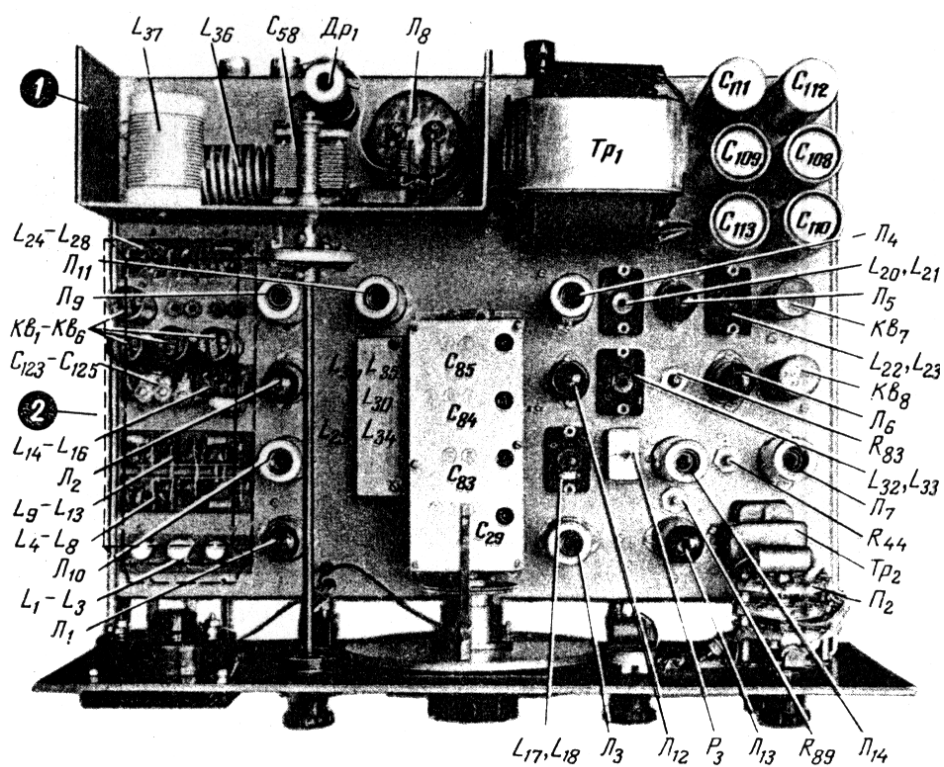


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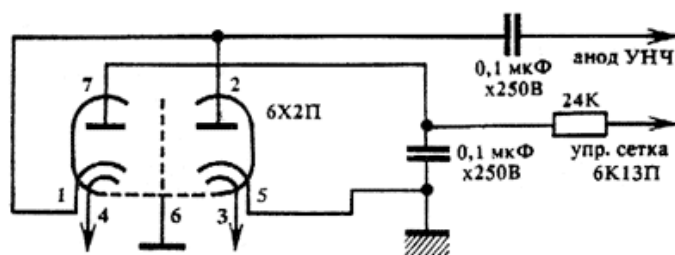
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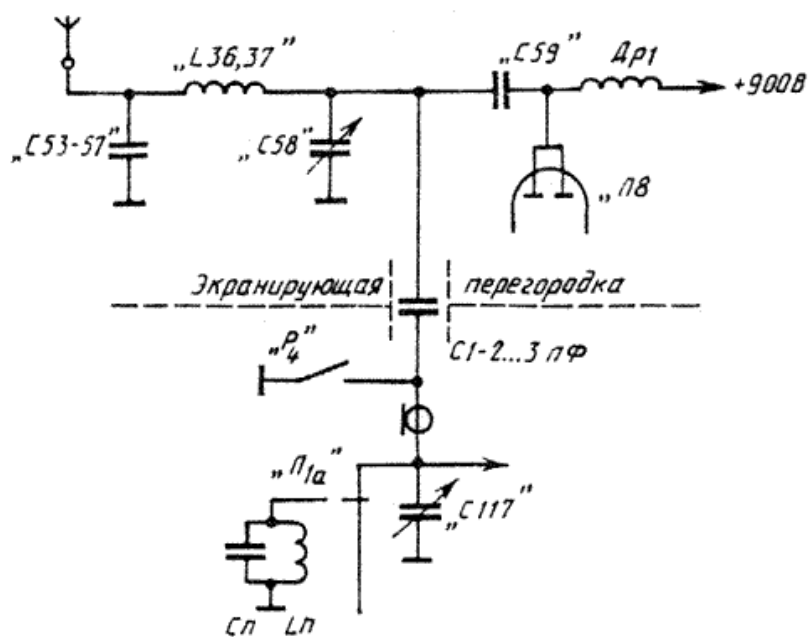
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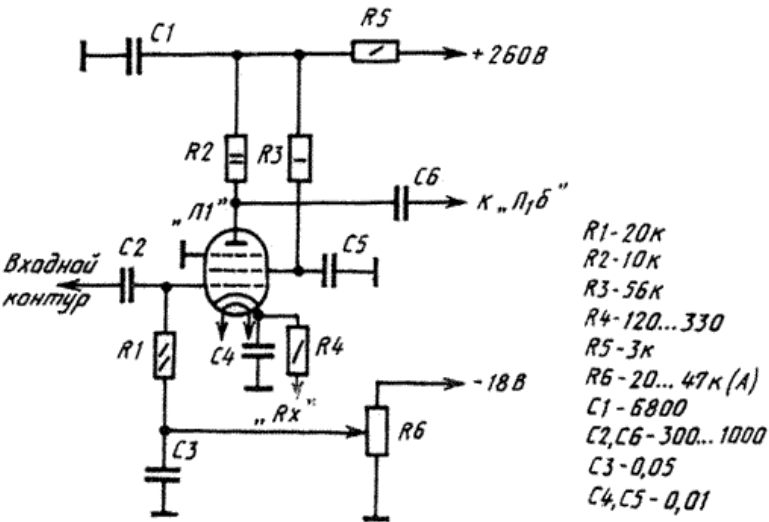
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160	270 + 5/50	50 . 0,15	10 , -1
80	180 + 5/50	30 . 0,27	8 , -1

40	91 + 5/50	18 . 0,35	10 , -1
20	24 + 5/50	15 . 0,27	5 ,
15	5/50	7 . 0,41	5 ,
10	5/50	7 . 0,41	5 ,

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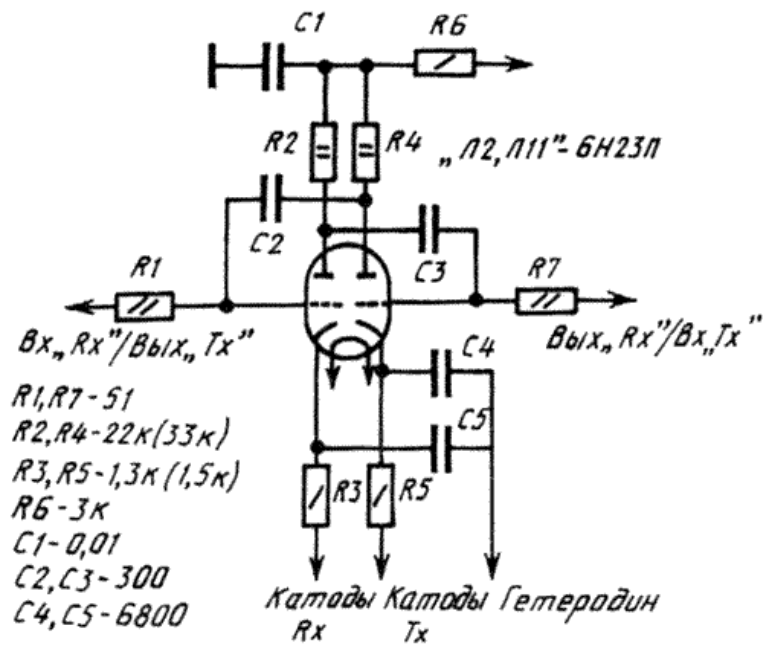
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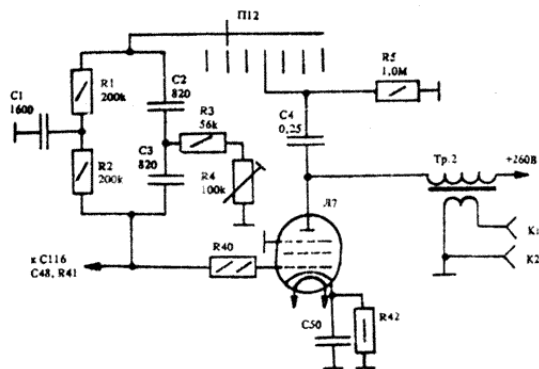
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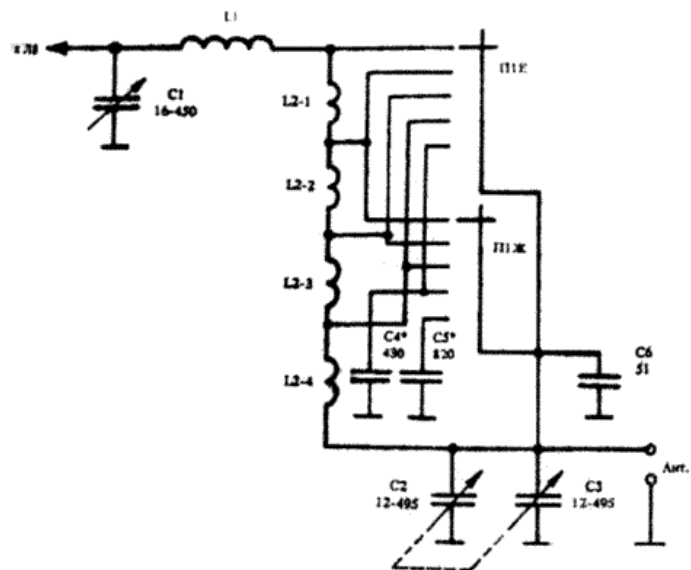
R5)

R5).

R5,

CW

UW3DI), -29, -19, -32, -50.



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(.8)

L1 L2,

10, 15, 20, 40, 80, 160 .

1,25 .

16 450 .

L2

L2

UW3DI

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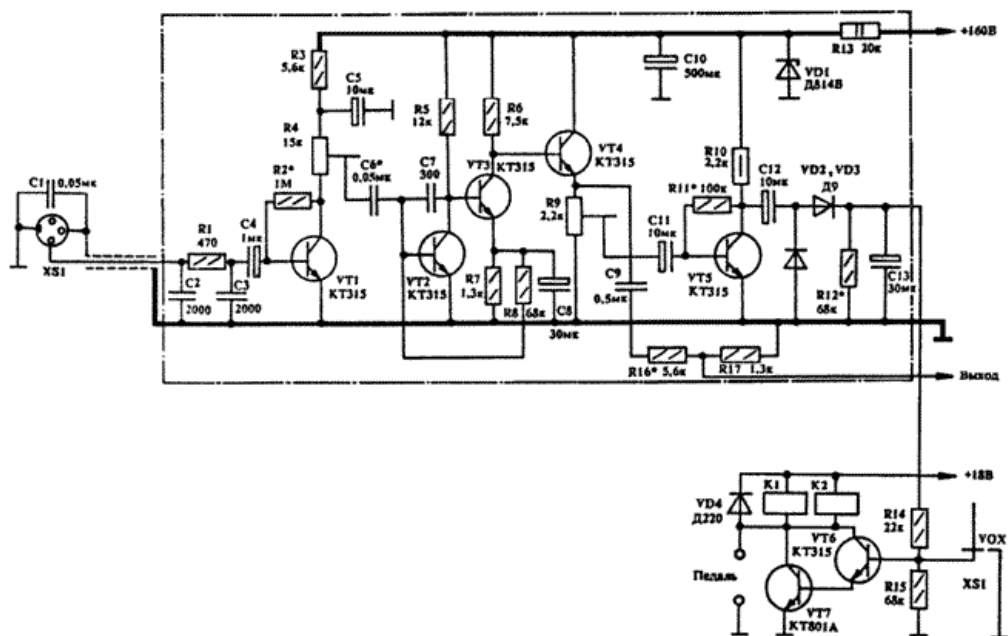
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R17

R3

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R16

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UW3DI-II.

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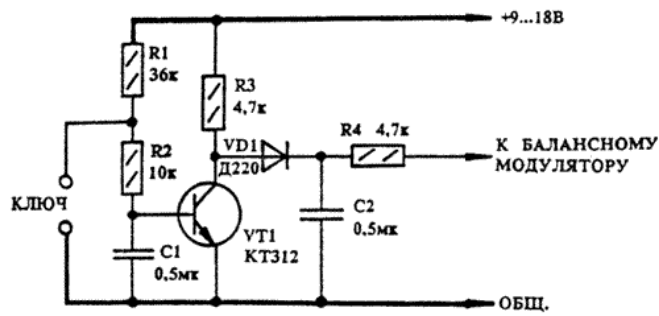
R2, R3, R4, C4, C5, VT1.

R72, 92, R71, R70

6 23

UQ2FK (" " 5/1975 .45).

.10.

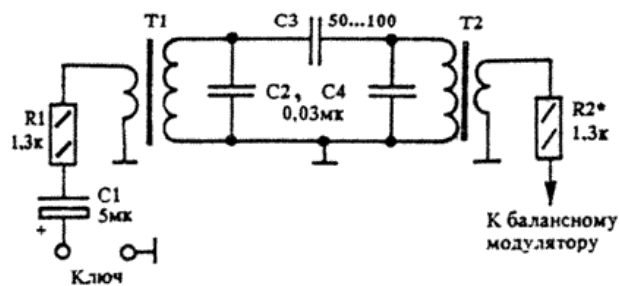


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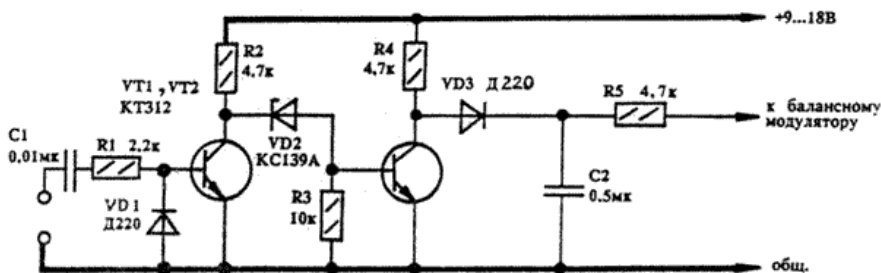
CW

SSB CW

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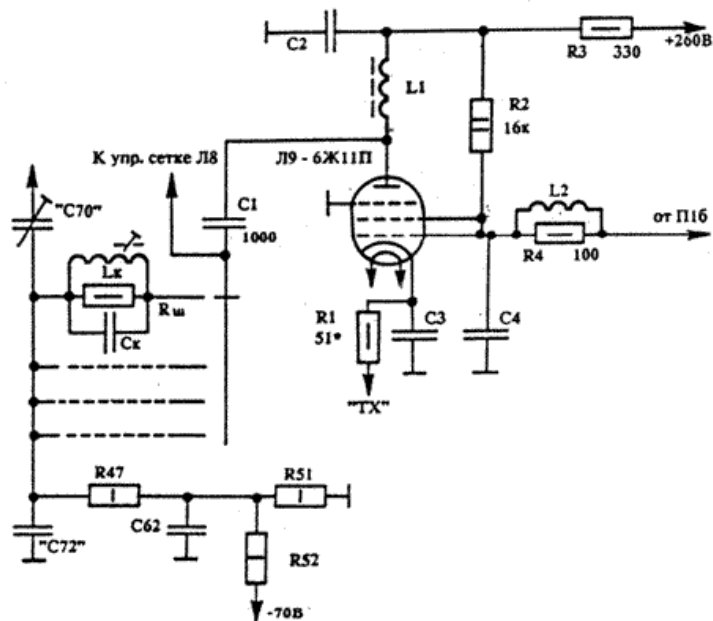
-18 -
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DSB, - S- ;
UW3DI, -18 -45 -70 108.

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R3.
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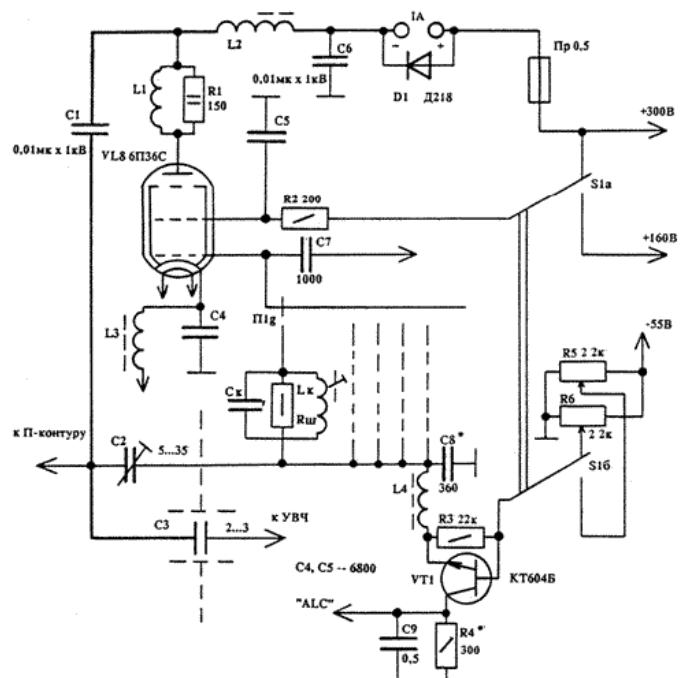
ALC.

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UW3DI.



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300	120...130	37,5	13,5	24
	170...180	52,5	19,5	33*
600	150...160	93	33	60
	220...240	138	48	90
1000	170...180	175	60	115
	250...280	265	95	170

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ALC

(R5, R6, C9, VT1)

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ALC

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R6.

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UA4HRV

UW3DI.

UA4HRV

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160	910 + 30	30 . 0,15	-10 , -1	75
80	510 + 30	18 . 0,35	-8 , -1	30
40	200 + 30	12 . 0,35	-10 , -1	11
20	82 + 30	10 . 0,35	-7 , -1	5,5
15	24 + 30	8,5 . 0,35	-7 , -1	3,6
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160	300	45 . 0,27	-8 , -1	1,8
80	180	30 . 0,27	-8 , -1	2,2
40	82	18 . 0,35	-10 , -1	4,7
20	30	12 . 0,35	-7 , -100	6,8
15	15	10 . 0,41	-7 , -100	-
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18.068...18,168

UW3DI.

UW3DI,

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17,5...18,0 (16).

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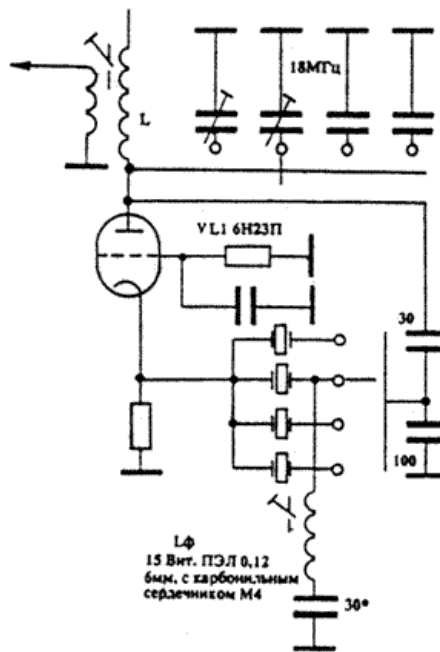
(6,0...6,5),

17,5...18,0 .

QRM

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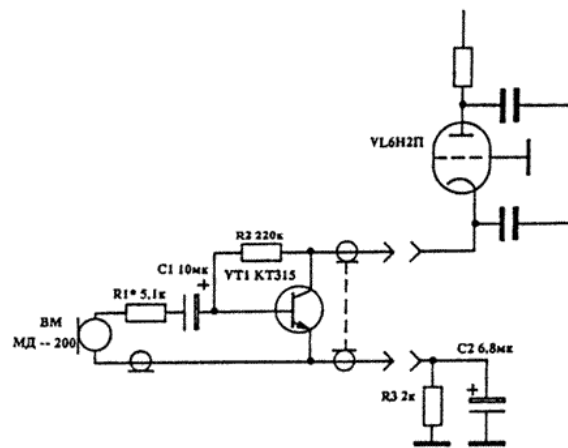
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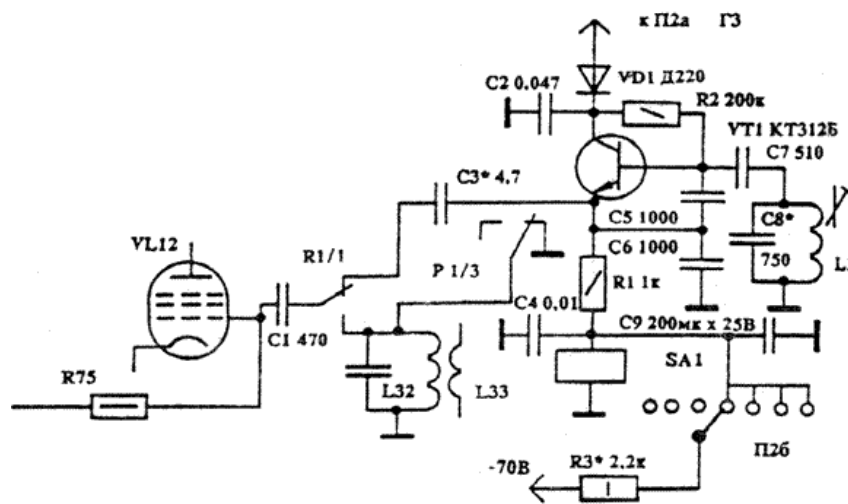
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VD1,



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L1 - (500 501).

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L32, L33.

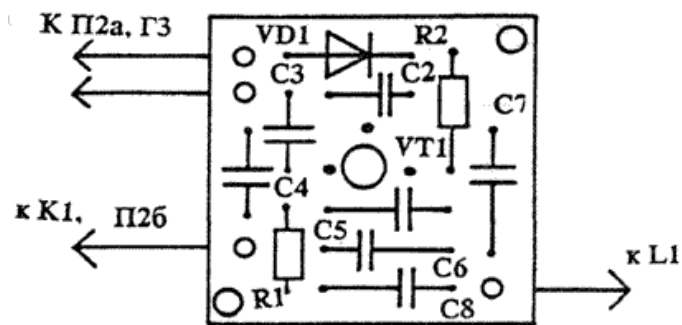
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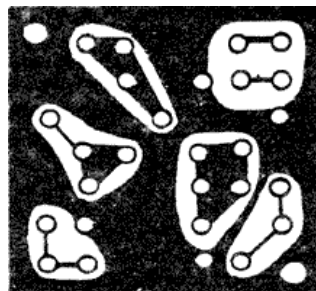
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.19, 20.

10, 18, 24 UW3DI.

10, 18, 24 - UW3DI-1. 10,

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18	9	56	4,7
24	8	18	3

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18	10	36
24	8	27

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18	11,668...12,068	3,889...4,023
24	18,49...18,89	6,163...6,296

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- 10 - 1- 143;
- 24 - 1- 160 2- 304.

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14; 21; 28

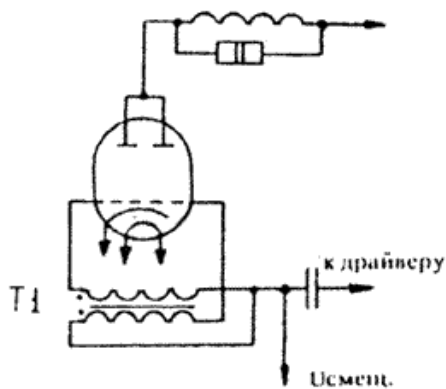
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12 UW3DI 18
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6,0...6,5 8 18,068...18,168

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18...20 50 2000

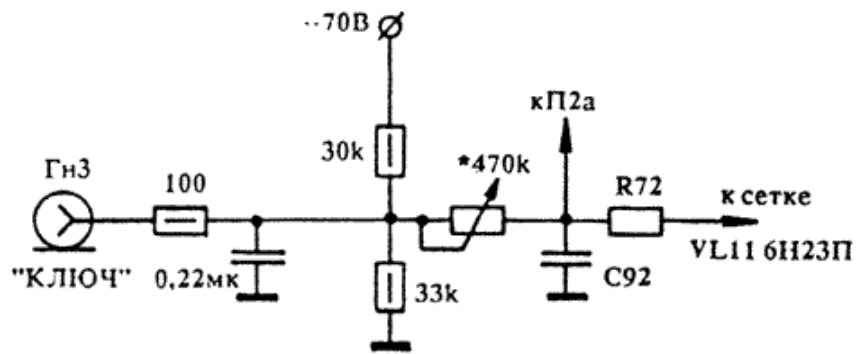
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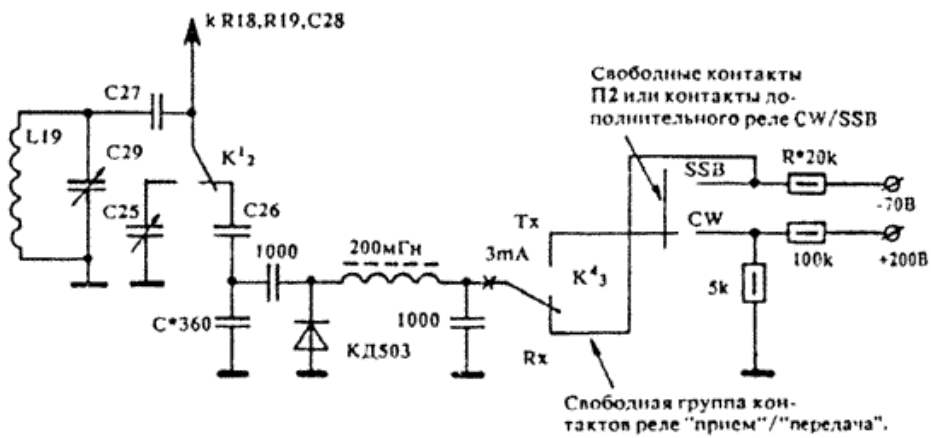
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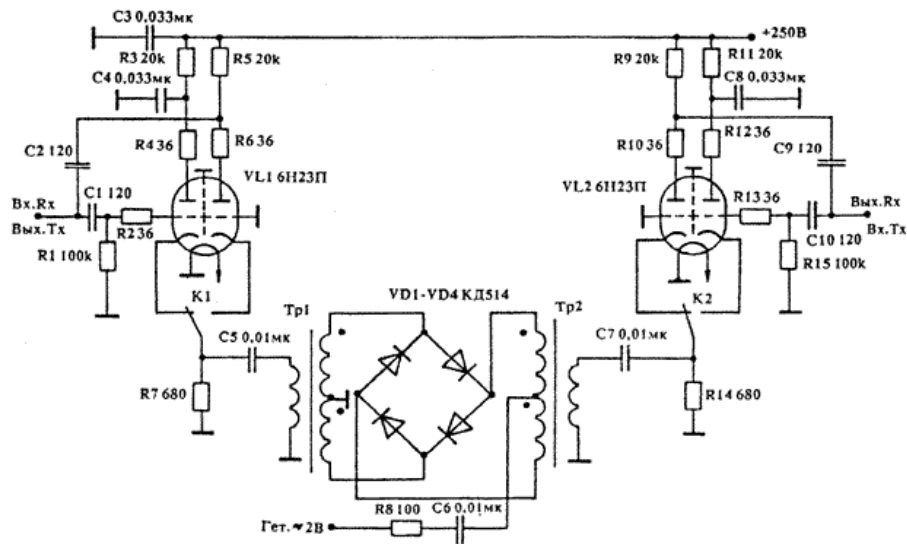
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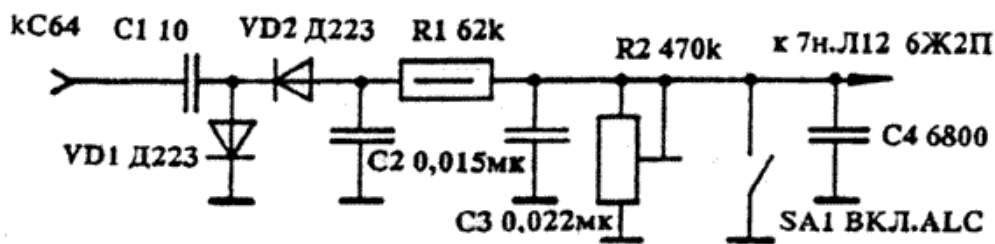
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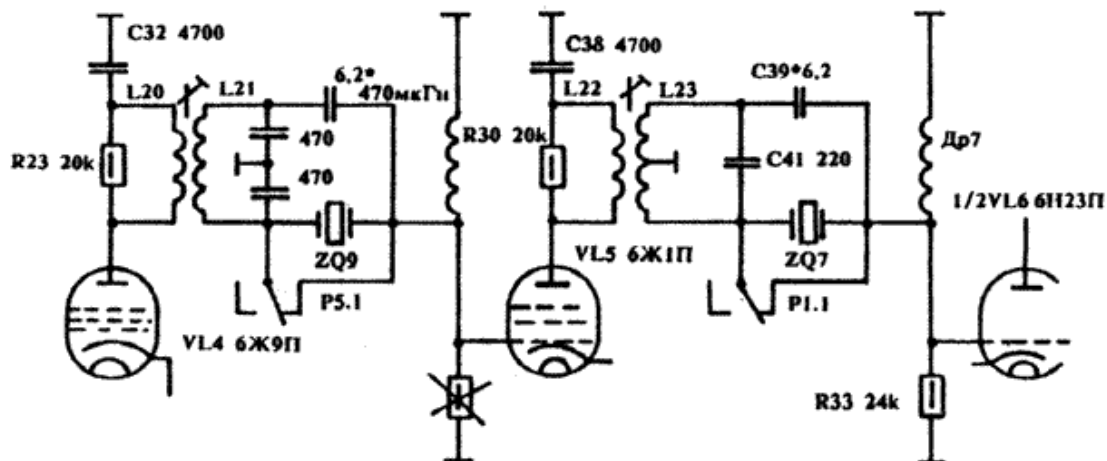
.24

, 1, 2 6 23 390 1, 2 6 16 ,
 1, 2 12 6 5, 1000 , 0,33; 12 .
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ALC **UW3DI.**
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ALC 6 1 6 2 ,
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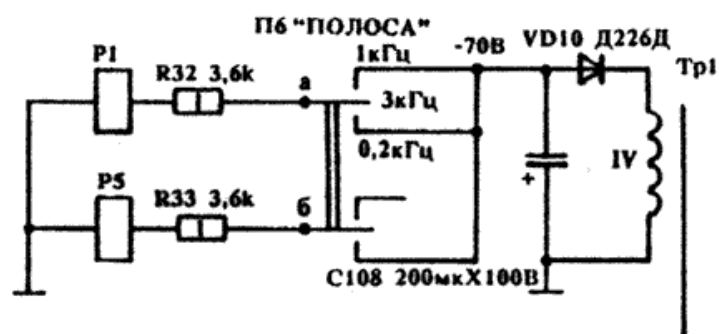


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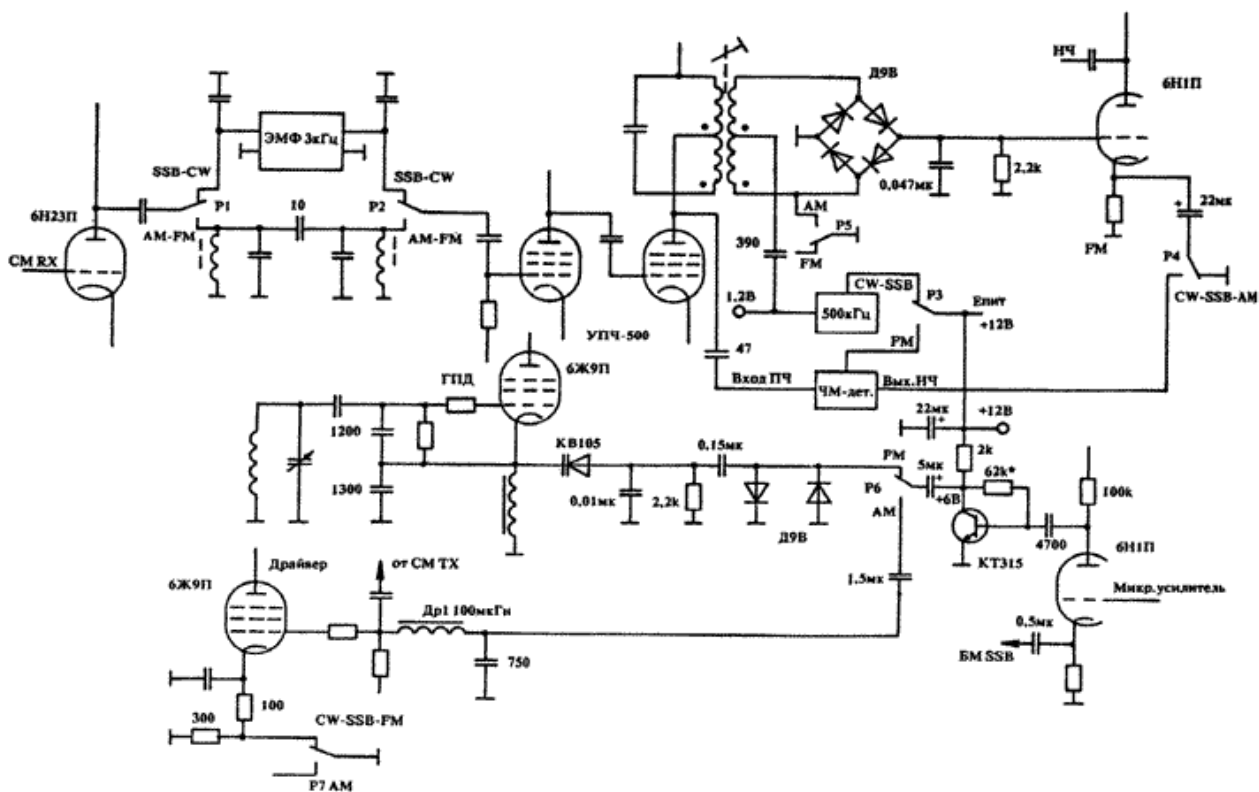
21

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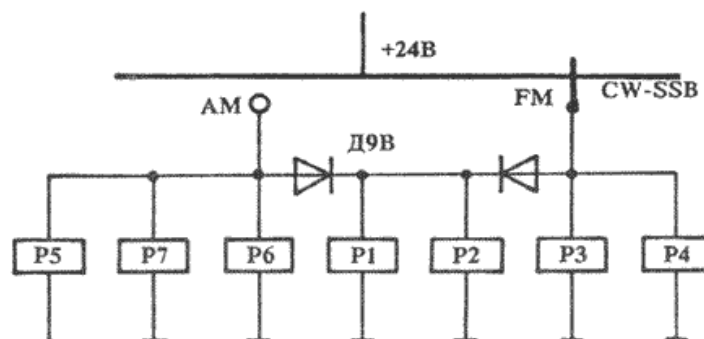
28

CW,

3 (.28, 29).

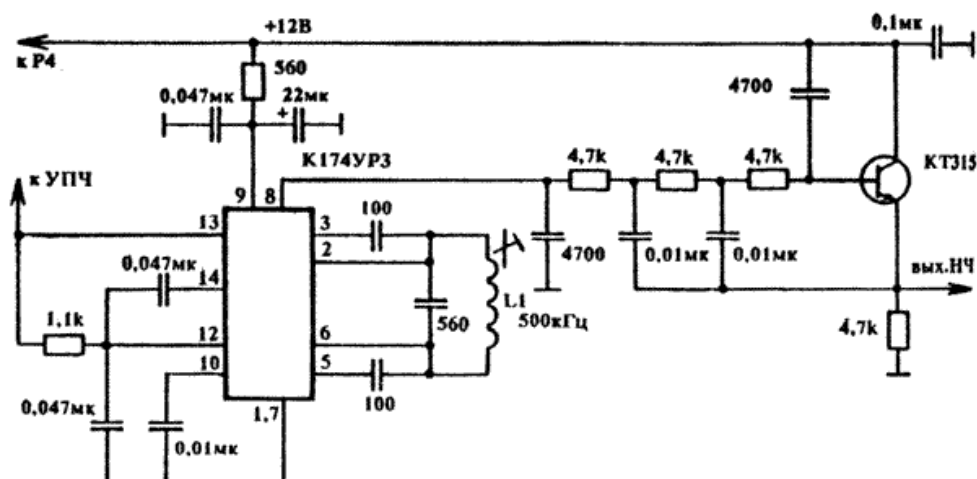


.28



.29

15 500 - (.30).



.30

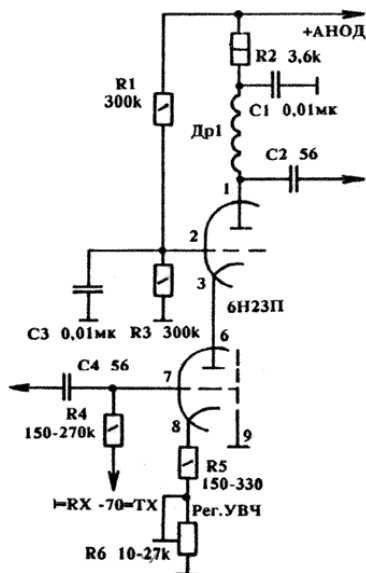
500 , -2 15
()
" " ()
() -3 , SSB-

6 9 , , ,

(" " 3/1988) L1
500
500
7 ,
().

UW3DI.

6 13 6 23 . .31
6 23
6 13 . ,



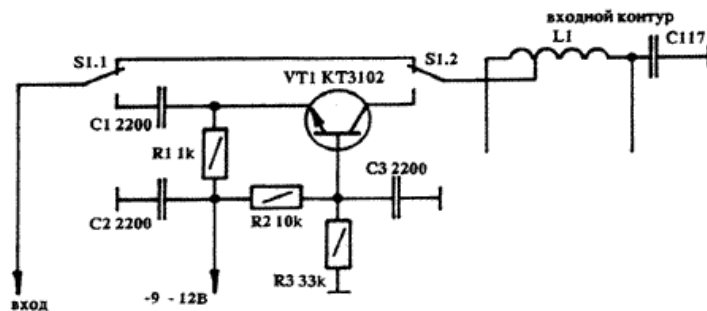
.31

1 , , : 100 0,12...0,17 -1,5
20

UW3DI.

UW3DI.

(.32).



.32

UW3DI.

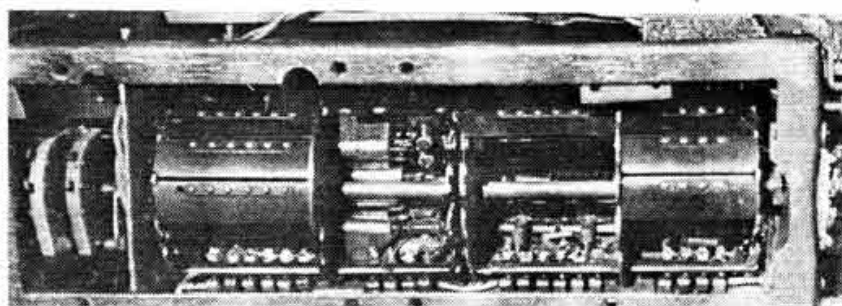
UW3DI-1

3

.33

UW3DI;

1 88,



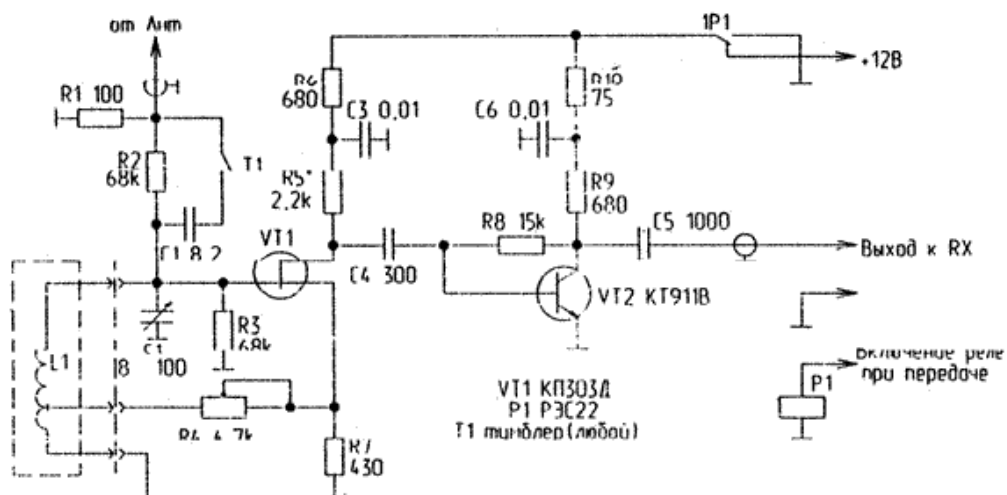
.33

RX.

(.34)

UW3DI,

-250



.34

VT1,
L1C2.

R4, (.)

VT1.

VT2.
2

R1

R2.
1

L1
L1 1/5

VT1 12 .

R5.
VT2 15...25 .
R8.

R4 ()

R4

UA3XBI,

CW RTTY - " -86 "

RU3XQ,

DX.

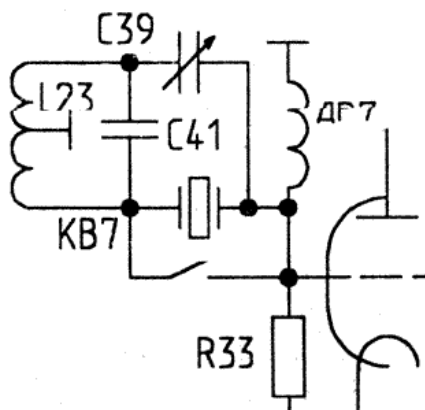
500

6 6 23 ()

39

25...50 ,

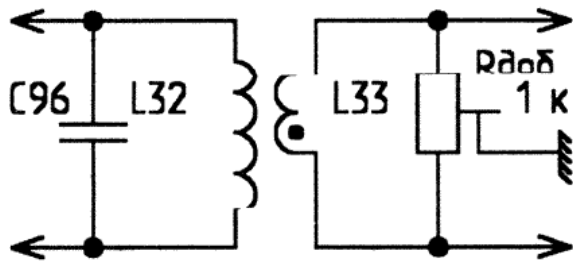
7.



.35

SSB,

.36.

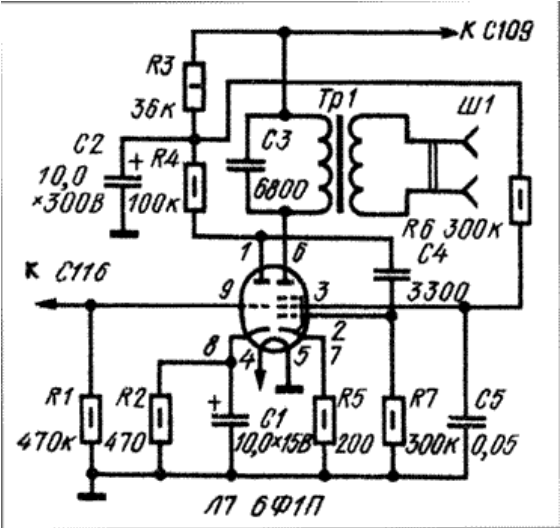


.36

UW3DI.

UW3DI

6 9 (7) 6 1 .

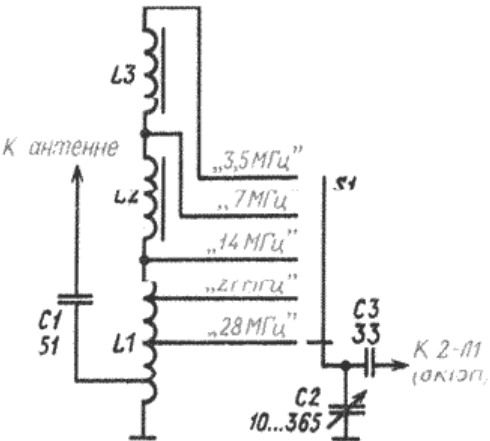


109, 116 7
" ", 1970, 5, .17.

1).

UW3DI

(.). L1
12 . 15
1,7 10- , 0,8...1 . - 1



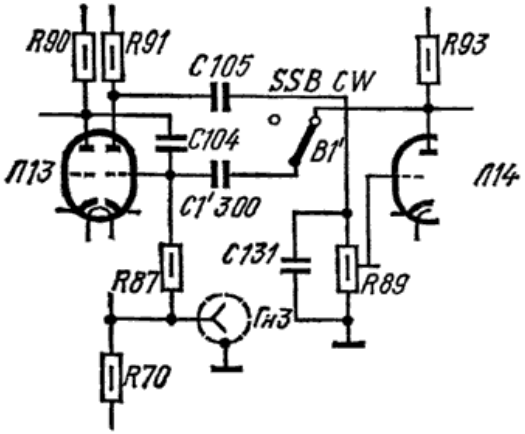
L2 L3 25 30 2 (12 6 4).
0,31, - 40 0,23.

UW3DI.

UW3DI

(

" " 5/1970).



B1' (

2

)

R87,

3

"CW"

B1'

13

R70 R87.

(SSB),

SSB

14

13

B1'

UW3DI.

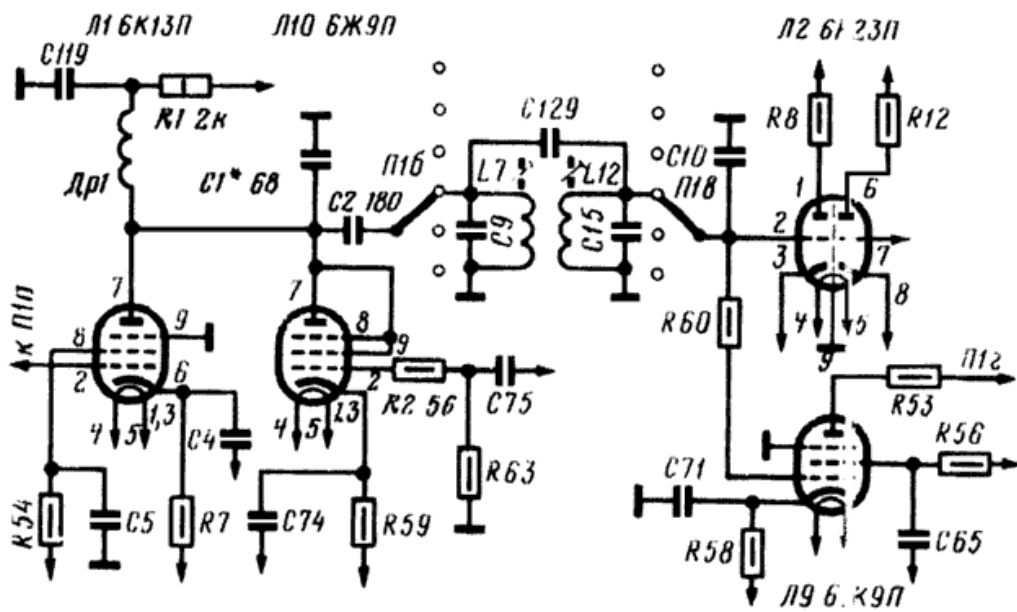
UW3DI

10...12

10

UW3DI.

UW3DI,



160

(UW3DI).

160-

5...10

SSB, CW

1850...1950

$f = 8000$

14

5550...5650

28,5

, -

1 1

3 (14) 7 (1,9)

-9

-2

0,2 28

390

- 24

(35 20 1)

1 1 ,

1,9

-9

-2 36 (23,5)

270

2R15

5,1

0,7

130

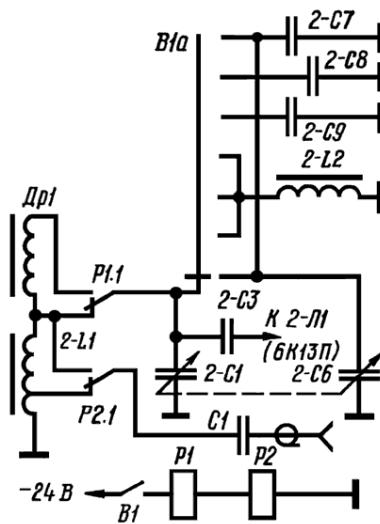
0,5

1,9

160

2-L1 (1,2) 2-C8 (5200)

.1.



1.

2-L1 1, 3,87

0,41. 20 2 (12 6 4) 13

3,5 2 6 (10...365) 2 7 (1500)

1, 1,9

1 2 -10 (4.524.302) 1,9

2-L1 (.1), 1

2- 3 2- 1.

1 1 2 1.

2-L1.

UW3DI" " 8/1979 .23. L3

1,9 . 30 2 (

12 6 4), 70 0,23.

-2 0,83. L1 - 24

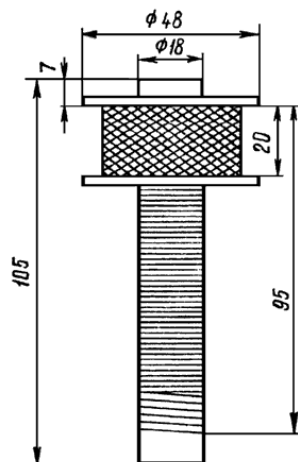
C5-C8 1 160 .

2(12...450). 1 , 1

(.1).

3 370 0,35,

18 . 2.



2.

3

3 160

- L1L2,

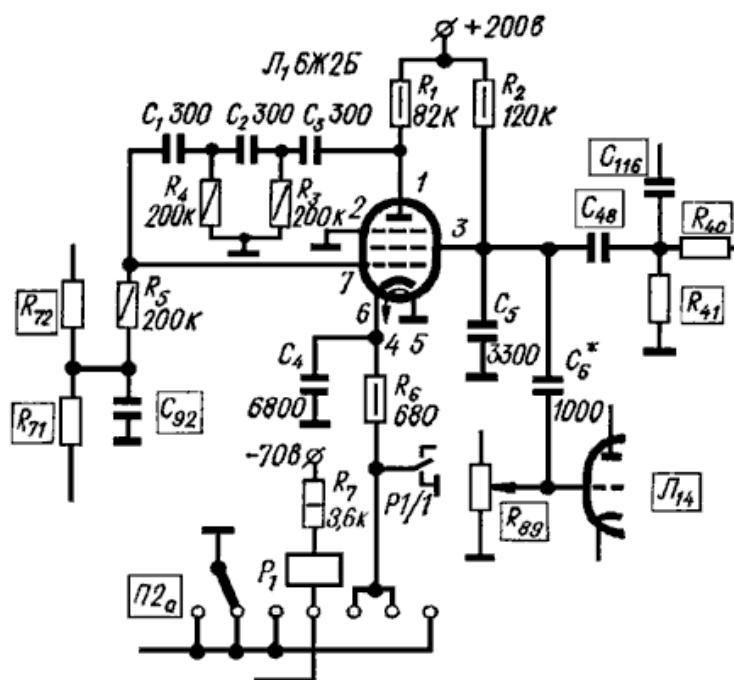
5...10 , 12 150

LW 83 . 160

UW3DI.

16 2 ,

(2).



"SSB", "

"

56 6800

1 -

$$-15 (4.591.001).$$

6

UW3DI.

UW3DI

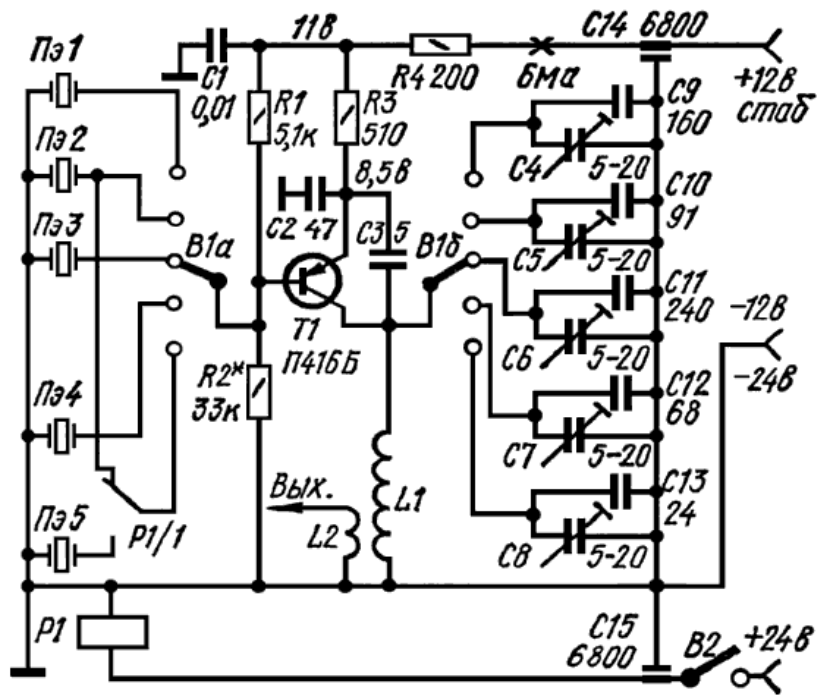
()

150...300 ,

			.	3-	5-
5,5...6,0	6,0...6,5	3,5	9,65...10,0	3,217...3,333	-
		7	13,5	4,5	2,7

		14	7,85...8,0	2,617...2,666	-
		21	14,95...15,0	4,75...5,0	2,99...3,0
		28	22,0	7,333	4,4
		28,5	22,2...22,5	7,4...7,5	4,45...4,5
5,35...5,85	5,85...6,35	3,5	9,5...9,85	3,166...3,283	-
		7	13,2...13,35	4,4...4,45	2,64...2,67
		14	8,0...8,15	2,666...2,716	-
		21	15,1...15,15	5,033...5,05	3,02...3,03
		28	22,15	7,383	4,43
		28,5	22,35...22,65	7,45...7,55	4,47...4,53
5,2...5,7	5,7...6,2	3,5	9,35...9,7	3,116...3,233	-
		7	12,9...13,2	4,3...4,4	2,58...2,64
		14	8,15...8,3	2,716...2,766	-
		21	15,25...15,3	5,083...5,1	3,05...3,06
		28	22,3	7,433	4,46
		28,5	22,5...22,8	7,5...7,6	4,5...4,56

50 70.



1

5

28...29,7

1 (-10,

4.524.302),

2.

L1

10

20

0,51

11

- 15 ,

1,5

L2

4

0,11,

()

L1.

UW3DI

" ", 11, 1999 .

UW3DI

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.

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. . . 1970, # 5, . 17-19, 45; # 6, . 18-20.

UW3DI (). . . , . . . , .
, . . 1972, # 6, . 26-28.

UW3DI. . . 1973, # 2, . 25.

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28.

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160 UW3DI. . . 1980, # 5, . 24.

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. . . 1988, # 3, . 23.

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