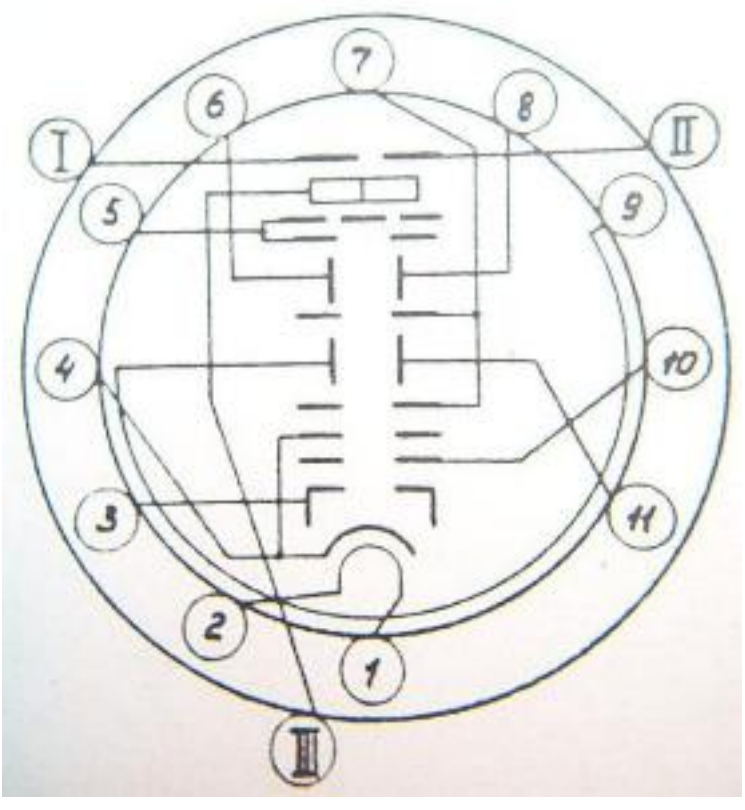




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ЛФ7 valve. This measures 121 x 36mm plus pins.



From the specifications sheet (see also below), the connections are as follows:

1, 2	Heater
3	Modulator
4	Cathode and Anode 1
5	Screen
6	Top plate
7	Anode 2
8	Top signal plate
9	Bottom plate
10	Accelerating electrode
11	Bottom signal plate
I, II	Collector 1 and 2
III	Antidynatron



Base views. The internal markings on the 'top' base are the numbers 0856 stamped on a small metal plate. This number is also present in the specifications sheet that came with the device.

The specifications sheet is online: [Cover](#), [page1](#), [page2](#), [page3](#), [page4](#) (150k max per page)

Device parameter and unit of measurement	Normal value	Measured
1. Collector 1 current when function is at maximum, uA, min	60	77.0
2. Collector 2 current when function is at maximum, uA, min	60	69.3
3. Modulator current, uA, max	1.0	0
4. Antidynatron electrode current, uA, max	1.0	0
5. Top plates current, uA, max	3.5	1.0
6. Bottom plates current, uA, max	1.0	0

Recommended working conditions and units of measurement	Values	
	Normal	In fact
1. Filament voltage, V	6.3	6.3
2. Modulator voltage at working cathode current, negative (at absolute value), V*	4 - 30	13.7
3. Cathode and antidynatron electrode voltage, negative (at absolute value), V	220	220
4. Accelerator voltage, V	250	250
5. Functional electrode voltage, V	50	50
6. Anode 2 voltage, V	0	0
7. Collectors 1 and 2 voltage, V	0	0
8. Initial bias at top plates, negative (at abs. val.), V*	5 - 25	16.4
9. Initial bias at bottom plates, negative (at abs. val.), V*	5 - 25	12.2
10. Deflection voltage at top plates, negative 35 35 (by absolute value), V	35	35
11. Deflection voltage at bottom plates, negative 25...35 29.4 (by absolute value), V	25 - 35	29.4
12. Cathode current, uA	200	200

Notes:

* Voltage to be adjusted within specified limits when device is tuned

1. Voltages at all electrodes except modulator are specified relative to anode
2. Modulator voltage is specified relative to cathode.

Absolute maximum ratings and units of measurement	Nominal	
	Not less than	Not greater than

1. Filament voltage	5.7	6.9
2. Cathode voltage, negative (by absolute value), V	210	230
3. Accelerator voltage, V	240	260
4. Functional screen voltage, V	45	55
5. Collectors 1 and 2 voltage, V	-50	+50
6. Cathode current, uA	170	220

Note: Voltages at all electrodes are specified relative to anode 2.

General data

Minimum lifetime 2000 hours

Focusing and deflection of electron beam: electrostatic

Delay before device is ready (after power-up), 45 secs

Outer dimensions, mm maximum length 147 maximum diameter 37

Mass, g, not greater than 250

Device orientation: any

Thanks to Alex Kouznetsov for translating the original material and to John Kaesehagen for arranging this.

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