



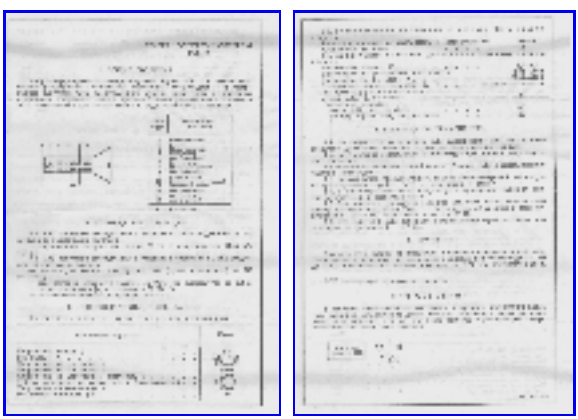
Russian ИФ -17 tube. It measures 450mm long x 130mm at the widest point and has a 12-pin base and one external connector.

This device is used to generate elevation marks in Russian height finder radars. The electron beam scans at the same rate as the height finder aerial, and as it passes over the wires pulses are produced. It generates 17 pulses with pulse 5, 10 and 15 being longer (the relevant wire is fatter)

See the pictures further down.

Other markings on the tube include 0885 (presumably the serial number) and ОТК81

С Д Е Л А Н О В С С С Р



Base connections are as follows:

1	Heater
2	Cathode
3	Heater
4	Grid
5	n/c
6	no pin
7	Right deflector
8	n/c
9	A2
10	Accelerator
11	Left deflector
12	n/c
13	no pin

14	A1
End cap	Collector

Heater voltage	6.3V
Heater current	470 to 660mA
Anode 1 voltage	100 to 400V
Anode 2 voltage	1500V
Grid voltage	-10 to -100V
Collector voltage	1500V

Top of the tube. A single external connector connects to an arc shaped structure inside.



Two views of the arc shaped structure. A series of 17 fine wires run behind the arc.



The electron gun has a single axis electrostatic deflector.





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