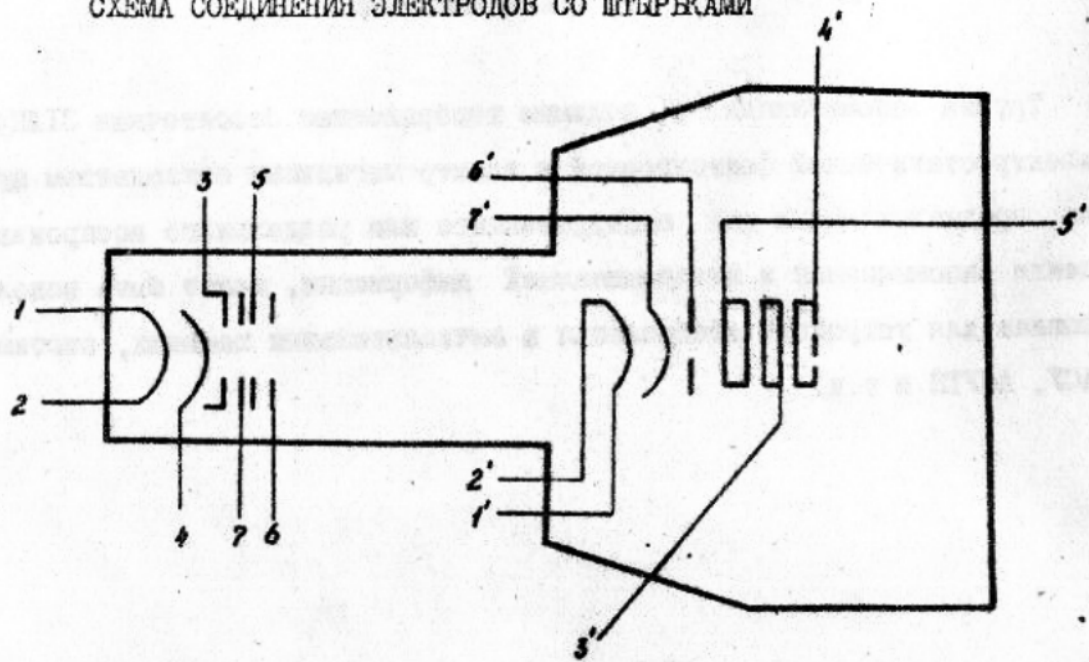


# СХЕМА СОЕДИНЕНИЯ ЭЛЕКТРОДОВ СО ШТЫРКАМИ



Connection diagram of electrodes with pins

Pin Number | Electrodes names

- 1, 2 | spotlight heater
- 3 | spotlight modulator
- 4 | cathode recording spotlight
- 5 | electrode focusing recording spotlight
- 6 | spotlight anode 2
- 7 | Accelerator Electrode Recording Spotlight
- 1',2'| heater reproducing floodlight
- 3' | collimating electrode II
- 4' | collector
- 5' | collimating electrode I
- 6' | anode reproducing floodlight
- 7' | cathode reproducing floodlight

basic technical data

The electrical data upon acceptance, during storage and measurement modes are included in the tables below:

Table #1

Parameter's name, the unit of measurement	Norm		Measurement data	Annotation
	No less	No more		
line width in memory mode, mm:				
in the center	-	0.4	0.4	2
in the corners	-	0.7	0.7	2
image playback time, min	15	-	15	2
the presence of an image of an unreadable raster in the memory mode	-	-	meets specifications	2
screen brightness, cd/m <sup>2</sup>	20	-	42	2
modulator voltage reproducing floodlight (absolute locking)	50	155	107	2
anode voltage of a reproducing floodlight (negative locking in absolute value)	-	10	0	2
the position of the deflected spot in the rectangle with sides (mm)	-	15x20	15x20	2
image contrast in relative units	7	-	14	2
uneven brightness of the screen in relative units	-	2	1.2	2
Filament current recording spotlight, A	0.27	0.33	meets specifications	2

Filament lighting current (reproducing spotlight)	-	0.45	meets specifications	
leakage current cathode recording record heater (recording spotlight) microampere [ $\mu$ A]	-	100	meets specifications	
leakage current cathode modulator recording floodlight (recording spotlight) microampere [ $\mu$ A]	-	10	meets specifications	
cathode capacitance, all other electrodes of the recording spotlight joined together (PF)	-	10	meets specifications	
capacitor modulator, all other electrodes of the recording spotlight joined together (PF)	-	10	meets specifications	

Annotation:

The spotlight modulator voltage is indicated relatively to the cathode of the recording spotlight. All other voltages are indicated relatively to the cathode of the reproducing floodlight. Voltage cathode reproducing spotlight equals zero.

Measurements are performed at a recording speed of 200 m / s.

Table#2

Parameter's mode name, measurement unit	magnitude		Annotation
	technical specification	actual value	
filament voltage of the recording spotlight	6.3	6.3	
reproducing spotlight's voltage	38	38	
modulator voltage of the recording spotlight negative (in absolute value)	10-130	42	

cathode voltage recording spotlight negative (in absolute value)	3.8	3.8	
voltage of the accelerating recording projector electrode	150	150	
Anode 2 voltage of the recording spotlight	150	150	
voltage electrode focusing recording spotlight negative (in absolute value)	2100-2400	2300	
anode voltage of a reproducing floodlight	150	150	
collimating electrode I voltage	30-150	50	
collimating electrode II voltage	30-150	50	
collector voltage	100-240	185	

Annotation:

The voltage of the modulator of the recording spotlight is indicated relative to the cathode of the recording spotlight.

All other voltages are relative to the cathode of the reproducing floodlight.

The voltage of the cathode reproducing projector is zero.

Electrical parameters that change during operation:

The screen brightness (cd/m<sup>2</sup>) is no less than .....15

write speed (Metre per second squared) is no less.....100

spotlight modulator voltage negative locking in absolute value...50-180

Line width in memory mode in the center, in mm, no more than ... 0.5

Note: This translation is not perfect but this is what we were able to do.

Note that Spotlight or Searchlight = Writing Gun

Floodlight = Flood Gun