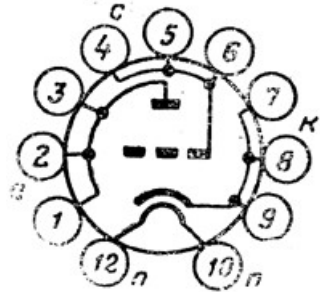


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**6S51N**

Triode for amplifying and generation.  
Envelope: sub-miniature, metal-ceramic.  
Mass 3 g.



**General characteristics:**

Type	6S51N	6S51N-V
Filament voltage, Volt	6.3	6.3
Anode voltage, Volt	80	80
Resistance in cathode circuit, Ohm	130	130

Type	6S51N	6S51N-V
Filament (heater) current, mA	130±20	130±20
Anode current, mA	9,5±2,8	10±2,5
Reverse grid current, mkA	--	£0,1
Dissipate cathode-heater current, mkA	£20	£20
Mutual conductance, mA/V	7,5 to 12	11±2,5
Gain coefficient	32±12	30±12
Input resistance, Kohm	≥7	≥7
Equivalent noise resistance, Ohm	--	£0,4
Vibration noise (by R <sub>A</sub> =2 KOhm), mV	£40	£40
Inter electrode capacitance, pF:		
input	4,2±1,3	4,2±0,8
output	1,8±0,6	2,2±0,6
transfer	£2,5	1,8±0,6
cathode-heater	1,4±0,4	1,4±0,4
Operation time, h	5000	2000

**Limited operating values:**

Type	6S51N, 6S51N-V
Filament voltage, V	5,7-7
Anode voltage, V	120
Grid voltage, V	-55
Cathode - heater voltage, V	100
Cathode current, mA	15
Anode dissipation, W	1,2
Grid dissipation, W	0,2
Resistance in grid circuit, MOhm	1
Tubes temperature, °C	250

**Operating environmental conditions :**

Type	6S51N	6S51N-V
Acceleration of vibration loads, g	2.5	15
by frequencies, Hz	10-150	5-5000
Acceleration of multiple impacts, g	35	150
Acceleration of single impact, g	--	1000
Continuos acceleration, g	--	150
Ambient temperature, °C	-60 to +125	-60 to +200
Relative humidity at up to 40 °C, %	98	98