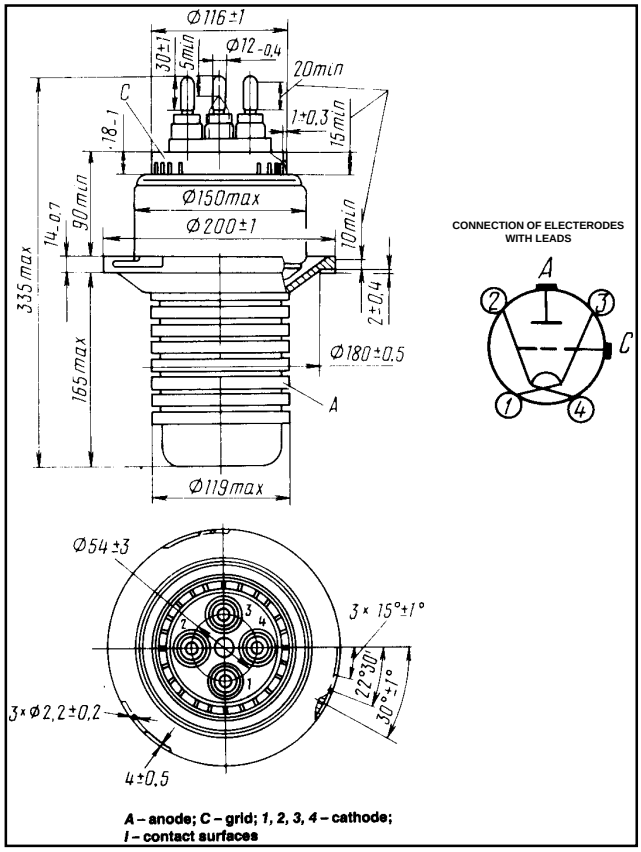
TRIODE GK-9P

The GK-9P triode is used for RF power amplification in stationary RF equipment.

GENERAL

Cathode: carbonized thoriated tungsten.
Envelope: glass-to-metal.
Cooling: evaporation for anode, forced air for envelope, stem and seals.
Height: at most 335 mm.
Diameter: at most 201 mm.
Mass: at most 13 kg.



OPERATING ENVIRONMENTAL CONDITIONS

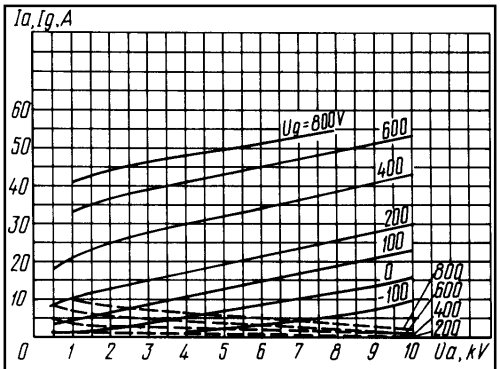
Ambient temperature, °C	**-10** to **+55**
Relative humidity at up to 25 °C, %	**98**

BASIC DATA Electrical Parameters

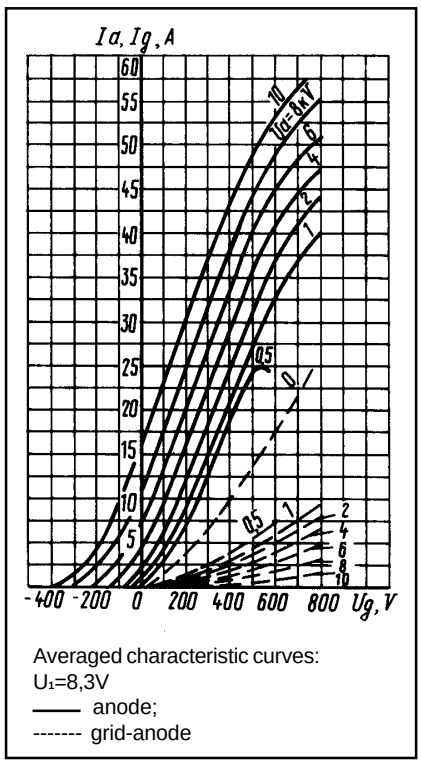
Filament voltage, V	**8.3**
Filament current, A	**120-150**
Mutual conductance (at anode voltage 1 kV and anode currents 2 and 12 A), mA/V	**42-58**
Gain coefficient (at anode voltages 4 and 8 kV and anode current 2.5 A)	**24-32**
Negative cutoff voltage, V, max.:	
at anode voltage 10 kV and anode current 0.2 A	**420**
at anode voltage 12 kV and anode current 0.2 A	**600**
Interelectrode capacitance, pF, max.:	
input	**80**
output	**2**
transfer	**50**

Limit Operating Values

Filament voltage, V	**7.9-8.7**
Anode voltage (DC), kV	**12**
Negative bias voltage, kV	**1**
Filament starting current, A	**250**
Dissipation, W:	
anode	**$2.5 \cdot 10^4$**
grid	**500**
Operating frequency, MHz	**2**
Temperature at envelope, stem and seals, °C	**150**



Averaged characteristic curves:
U_1=8,3V
—— anode-grid;
------- grid



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