# TRIODE

GK-9B

The GK-9B triode is a RF power amplifier with an output power of up to 30 kW at frequencies up to 2 MHz, designed for use in stationary RF equipment.

## GENERAL

Cathode: directly heated, carbonized thoriated tungsten. Envelope: glass-to-metal. Cooling: forced air. Height: at most 338 mm. Diameter: at most 218 mm. Mass: at most 12 kg.

#### **OPERATING ENVIRONMENTAL CONDITIONS**

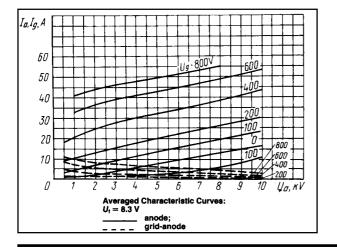
Ambient temperature, °C-10/+55Relative humidity at up to 25 °C, %98

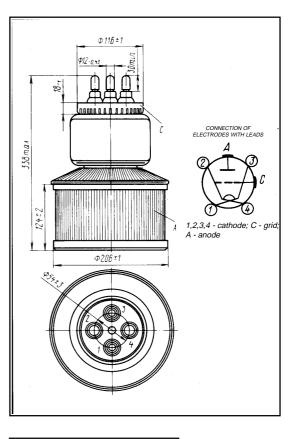
### **BASIC DATA Electrical Parameters**

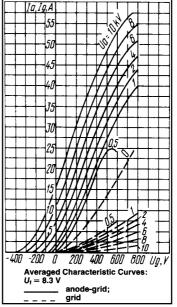
Filament voltage, V Filament current, A		8.3 120-150
Mutual conductance (at currents 2 and 12 A), m	anode voltage 1 kV and A/V	anode <b>42-58</b>
Gain coefficient (at ano anode current 2.5 A)	de voltages 4 and 8 kV a	and <b>24-32</b>
Negative cutoff voltage (at anode voltage 10 kV and		
anode current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

#### **Limit Operating Values**

Filament voltage, V 7.9-8.7 Anode voltage (DC), 12 Filament starting voltage, A 250 Dissipation, W: 1.8-10<sup>4</sup> anode 500 grid Operating frequency, MHz 2 150 Temperature at envelope, stem and seals, °C Envelope temperature at the hottest point, °C 250







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