

TRIODE

GK-5A

The GK-5A triode is used for amplification or generation at frequencies up to 26 MHz in stationary RF equipment.

GENERAL

Cathode: directly heated, carbonized thoriated tungsten.

Envelope: glass-to-metal.

Cooling: forced (water for anode, forced air for stem, air for envelope and seals).

Height: at most 790 mm.

Diameter: at most 178 mm.

Mass: almost 19 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	17
Filament current, A	540-610
Mutual conductance (at anode voltage 10 kV and anode currents 6 and 8 A), mA/V	70-110
Gain coefficient (at anode voltages 8 and 10 kV and anode current 6 A)	32-48
Interelectrode capacitance, pF, almost:	
input	220
output	5
transfer	100

Limit Operating Values

Filament voltage, V	18
Anode voltage, kV:	
DC	10
peak value at 100-% anode modulation	20
Filament starting current, A	863
Dissipation, kW:	
anode	200
grid	10
Operating frequency, MHz	26
Temperature at envelope and seals, °C	150

