

# TRIODE

# GU-23B

The GU-23B triode is used as an amplifier or oscillator at up to 30 MHz in RF equipment.

## GENERAL

Cathode: directly heated, carbonized thoriated tungsten.  
Envelope: glass-to-metal.  
Cooling: forced air.  
Height: at most 550 mm.  
Diameter: at most 175 mm.  
Mass: at most 15 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	12
Filament current, A	195-125
Anode current at zero grid voltage (at anode voltage 8 kV), A	2.9-4.3
Mutual conductance (at anode voltage 4 kV, anode currents 7 and 12 A), mA/V	41-56
Gain coefficient (at anode voltages 4 and 7 kV and anode current 7 A)	42-58
Interelectrode capacitance, pF:	
input, at most	100
output, at most	2
transfer, at most	65

## Limit Operating Values

Filament voltage, V	12
Anode voltage, kV	12
Filament starting current, A	315
Dissipation, kW:	
anode	50
grid	2.6
Operating frequency, MHz	26
Temperature at anode, °C	200
Temperature at envelope and seals, °C	150

