

OPERATING ENVIRONMENTAL CONDITIONS

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

BASIC DATA**Electrical Parameters**

Heater voltage, V	12.6
Heater current, A	1-1.3
Anode current (at anode voltage 250 V, grid 1 voltage 11 V of first tetrode, grid 1 voltage 100 V of second tetrode, grid 2 voltage 175 V), mA	38-85
Interelectrode capacitance, pF:	
input, at most	13-17
output, at most	5-9
transfer, at most	0.1
Output power, W, min:	
at anode voltage 400 V, grid 2 voltage at most 225 V, operating frequency 100-200 MHz	42
over 500 h of service	34

Limit Operating Values

Heater voltage, V:	
with heaters connected in parallel	5.7-6.9
with heaters connected in series	11.3-13.8
Anode voltage, V	750
Grid 2 voltage, V	225
Dissipation, W:	
anodes	40
grid 2	7
grid 1	1-
Envelope temperature, °C	175

GU-29

TETRODE

The GU-29 beam-power double tetrode is used as an oscillator and a power amplifier operating in the metric wavelength range in RF equipment.

GENERAL

Cathode: indirectly heated, oxide-coated.

Envelope: glass, no-base.

Cooling: forced air.

Height: at most 110 mm.

Diameter: at most 61 mm.

Mass: at most 125 g.

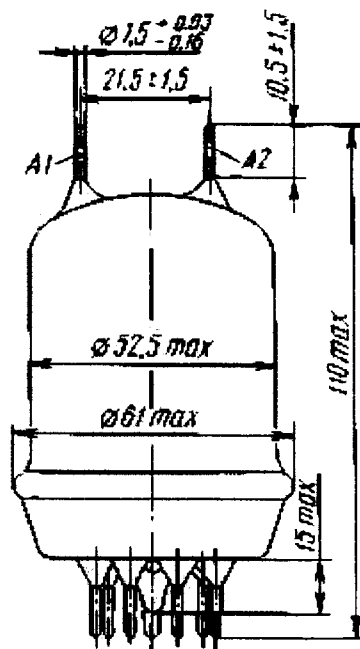
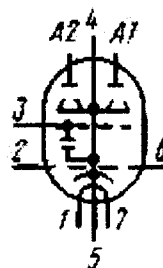


СХЕМА:
СОЕДИНЕНИЯ
ЭЛЕКТРОДОВ
С ВЫВОДАМИ
CONNECTION
OF ELECTRODES
WITH LEADS



1, 7 - heater; 2 - grid 1 of second tetrode; 3 - grid 2; 4 - cathode and beam-forming plates; 5 - heater (centre tap); 6 - grid 1 of first tetrode; A1 - anode of first tetrode - top lead; A2 - anode of second tetrode-top lead