TETRODE

GU-32

The GU-32 beam-power double tetrode is used as an oscillator and a RF power amplifier operating in the metric wavelength range in RF equipment.

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GENERAL

Cathode: indirectly heated, oxide-coated.

Envelope: glass, no-base. Height: at most 88 mm. Diameter: at most 52.5 mm. Mass: at most 100 g.

OPERATING ENVIRONMENTAL CONDITIONS

Vibration loads:
frequencies, Hz
acceleration, m/s²
Multiple impacts with acceleration, m/s²
Ambient temperature, °C
Relative humidity at up to +25 °C %

1-200
49
49
47
-45 to +70
98

BASIC DATA Electrical Parameters

at anode voltage 400 V, grid 2 voltage at most 250 V, anode current 19 mA

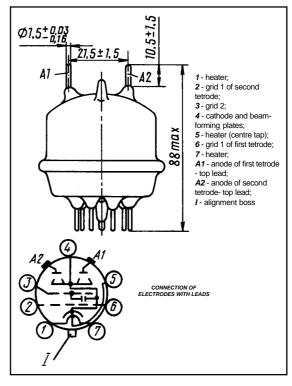
Heater voltage, V 12.6 0.7-0.9 Heater current, A Anode current (at anode voltage 250 V, grid 1 voltage 10 V of first tetrode, grid 1 voltage - 100 V of second tetrode, grid 2 voltage 135 V), mA 18-42 Interelectrode capacitance, pF: input 6.2-9.4 2.8-4.8 output transfer, at most 0.05 Output power, W, min.:

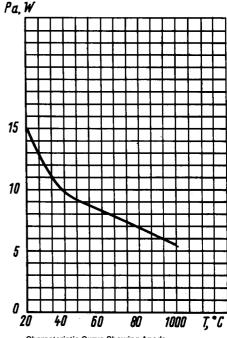
Limit Operating Values

over 2000 h of service

Heater voltage, V:
with heaters connected in parallel
with heaters connected in series
Anode voltage, V
Grid 2 voltage, V
Dissipation, W:
anode
grid 2
Envelope temperature, °C

5.7-6.9
11.4-13.8
500
250
250
250





Characteristic Curve Showing Anode Dissipation versus Ambient Temperature (at bulb temperature $T_b = 115^{\circ}C$)