TETRODE

GU-34B-1

The GU-34B-1 tetrode is used for wideband power amplification at frequencies up to 250 MHz in RF equipment.

GENERAL

Cathode: indirectly heated, oxide-coated. Envelope: glass-to-metal. Cooling: forced air. Height: at most 126 mm. Diameter: at most 94 mm. Mass: at most 1 kg.

OPERATING ENVIRONMENTAL CONDITIONS

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

BASIC DATA Electrical Parameters

Heater voltage, V Heater current, A	126 36-44	
Mutual conductance (at anode voltage 650	V,	
grid 2 voltage 400 V, anode current 1 A), mA/V		60-80
Cutoff voltage (at anode voltage 18 kV, grid		
voltage 400 V anode current 5 mA), V, at m	ost	80
Interelectrode capacitance, pF:		
input, at most	78-93	
output, at most	9-14	
transfer, at most	0,1	
Warm up time, s at most	150	
Output power, W at least	400	
Output power over 2,000 h of service, W,		
at least	320	

Limit Operating Values

Anode voltage, V Peak anode voltage, V Grid 2 voltage, V Negative grid 1 voltage, V Cathode current (DC component), mA Peak cathode current, mA	25-10 ³ 47-10 ³ 500 100 700 25-10 ³
Dissipation, W:	
anode 650	
grid 215	
grid 115	
Frequency, MHz	250
Cathode heating time, s	150
Temperature at anode, stem and seals, °C	150



