

TB4/1500 – radiation-cooled power glass envelope triode with anode dissipation power 500 W

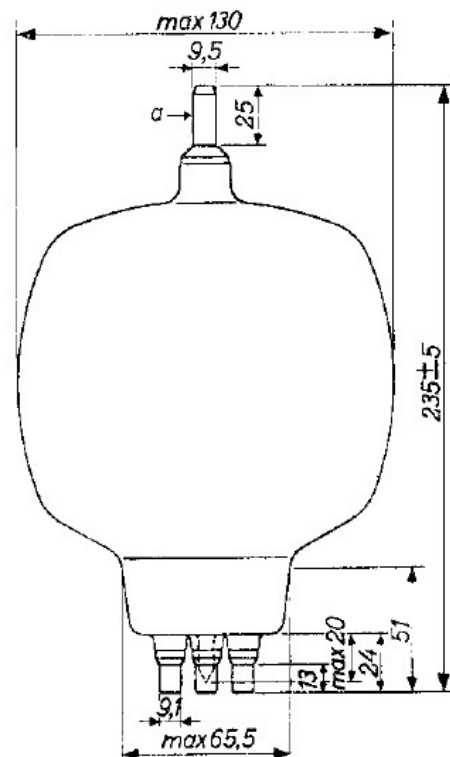
Electrical characteristics:

Filament Voltage	5	V
Filament Current	32.5	A
Amplification Factor	21	
Interelectrode capacitances		
C _{ga}	5.1	pF
C _{gc}	9.2	pF
C _{ca}	0.2	pF

Typical operation (R.F. class C osc.):*

	1	2
DC Plate Voltage	6 kV	5 kV
DC Plate Current	0.35 A	0.43 A
DC Grid Current	120 mA	130 mA
Plate Input Power	2.1 kW	2.15 kW
Output Power	1.64 kW	1.67 kW
Plate Dissipation	0.46 kW	0.48 kW
Grid Resistance	4.2 kΩ	3.5 kΩ

Maximum Weight	0.45	kg
Maximum Length	235	mm
Maximum Diameter	130	mm
Operating position	vertical	
Temperature of all seals	max 220	°C
Cooling	radiation	
Ambient temperature	25	°C



Maximum ratings*:

DC Plate Voltage	7	kV
DC Plate Current	560	mA
Grid Dissipation	100	W
Plate Dissipation	500	W
Frequency	50	MHz

* RF CLASS C OSCILLATOR FOR INDUSTRIAL USE WITH ANODE VOLTAGE FROM 3-PHASE RECTIFIER