

7T85RB - industrial air-cooled triode with output power 5.1 kW

The tube is mainly used as the oscillator in industrial high frequency heating equipment.

Electrical characteristics:

Filament Voltage	6.3	V
Filament Current	35	A
Amplification Factor	21	
Interelectrode capacitances		
Cga	13	pF
Cgc	15	pF
Cca	0.5	pF

Typical operation:

	Continuous		Intermittent	
Frequency	30	MHz	30	MHz
DC Plate Voltage	7.5	kV	8	kV
DC Plate Current	0.9	A	1.0	A
DC Grid Current	200	mA	250	mA
Grid Resistance	4.5	kΩ	4.5	kΩ
Plate Output Power	5.1	kW	6	kW

Maximum Weight	1.5	kg
Maximum Length	219	mm
Maximum Diameter	132	mm
Operating position	vertical	
Temperature at any point on tube envelope	max 220	°C
Anode cooling	forced air	

Maximum ratings:

DC Plate Voltage	8	kV
Maximum frequency	110	MHz
Grid Dissipation	130	W
Plate Dissipation	2.5	kW
Plate Output Power	5.1	kW

